



UNIVERSITY OF MISSOURI EXTENSION

Putnam County

2023

Annual Report

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660-947-2705

**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
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Columbia, MO 65211
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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



Ashlyn Buford, YPA/Office Support Staff

MU Faculty serving Putnam County:

Valerie Tate

Agronomy Field Specialist

Zac Erwin

Livestock Field Specialist

Jennifer Schutter

Horticulture Field Specialist

Jerimiah Terrell

Human Development Field Specialist

Darla Campbell

Community Economic Development Field Specialist

Anastasia Tiedemann

Business Development Specialist (SBDC)

Michael Krauch

NE Regional Director

Mary Sobba

Ag Business Specialist

Lisa Doster

Extension Engagement Specialist

Council members

Toni Hamilton, Chairman

Shane Bradshaw, Vice-chairman

Shelby Selvy, Secretary

Cassey Overton, Treasurer

Dylan Hamilton

Kendra Carter

Heather Simpson

Kathy Leow

Amy Cullum

Nevin Hamilton



County commissioners

Robert Munden, Presiding Commissioner

Shane Bradshaw, Eastern District
Commissioner

Gerald Owings, Western District
Commissioner

Budget and more

Appropriations budget

Income

County Appropriations	34,000
Total Income	34,000

Expenses

Salaries/Benefits	40570
Travel	790
Telephone	992
Office Supplies/Service	9093
Insurance	101
Total Expenses	51546



SERVE MISSOURI.
DELIVER MIZZOU.®

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



Local Support

Did you know you can donate directly to *Putnam* 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

Putnam County



University of Missouri System

COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

UM System Footprint in the county in 2023



FY23 county students

14 students

- 11 Undergraduates
- 3 Graduate and professional students
- 12 Full-time students
- 2 Part-time students



County employees and retirees

7 people employed by UM

- 6 Campuses
- 1 MU Health Care

0 UM retirees and beneficiaries

UM salary and retirement income:

\$290,558

UM state tax revenue: \$9,926

UM federal tax revenue: \$53,309



County alumni

Selected school alumni

- 6 Nursing
- 4 Health Professions
- 1 Dentistry
- 4 Veterinary Medicine
- 35 Agriculture
- 8 Engineering
- 3 Law

Alumni teaching K-12

- 6 teachers
- 11.1% of all district teachers



County breakdown

MU

- 9 students
- 81 alumni
- 5 employees

UMKC

- 2 students
- 10 alumni
- 1 employee

Missouri S&T

- 3 students
- 2 alumni
- 0 employees

UMSL

- 0 students
- 4 alumni
- 0 employees



County properties and offices

MU Extension in: Putnam County



County population: 4,715



County services provided

Health care (FY23)

- 356 in-state patients seen at MU Health Care, with \$195,708 of uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 95 visits to 58 patients having ZIP codes associated with the county

Extension (2022)

- 1,042 Total educational contacts from MU Extension to residents of the county, including:
- 378 contacts related to productive farming, better gardening, and managing natural resources
- 625 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 39 contacts related to starting businesses, developing community leaders, or renewing the local economy

UM System County Impacts

2024 UM Systemwide Impact Data Sheets

Putnam 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)

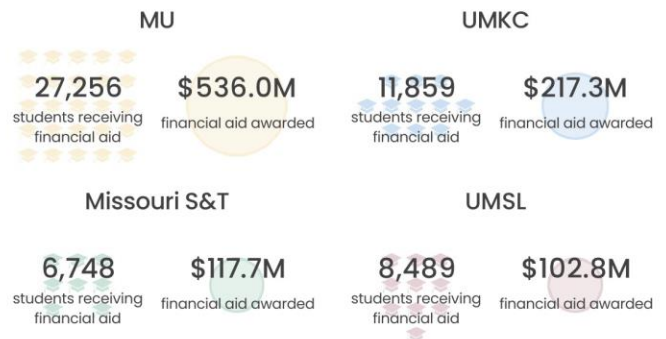


311,749 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2022)

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



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



Missouri Grand Challenges: Local Solutions

PUTNAM 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

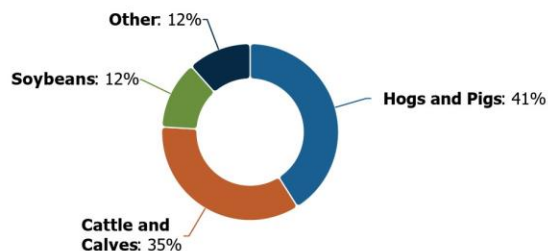
Knowing Local Challenges



CHALLENGE 1: Economic Opportunity: *Agricultural Economics*

Leading Agricultural Products

Total Commodity Sales: \$93,926,000



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 \$20,692,000 in 2017, an average of \$35,370 per farm. This compares favorably to the statewide average farm income of \$29,485.

Report Area	Total Farms	Average Farm Income
Putnam	585	\$35,370
Missouri	95,320	\$29,485

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

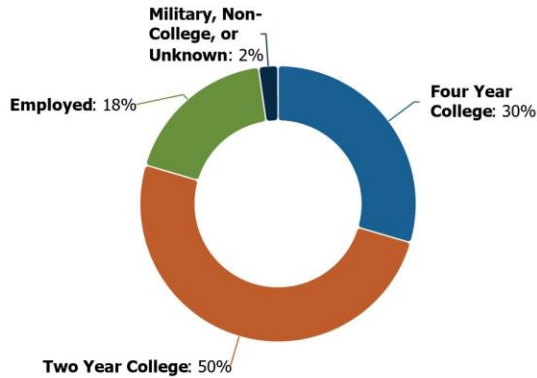
Grand Challenges



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 44 graduates surveyed in the report area, 13 went to a four-year college, 22 to a two-year college, 8 directly entered the job market. The remaining 1 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 1 credentialed professionals providing mental health care to serve the area's 4,681 residents. The patient-provider ratio in the report area is 4,681 to 1, which means there is 1 provider for every 4,681 persons. The ratio of persons to providers in the report area is higher than the state average of 855:1, which means there are fewer providers per person in this area.

Ratio (Population to Providers)

4,681:1

Putnam

Missouri

855:1

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

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 3 primary care physicians (MDs and DOs) to serve the area's 1,167 residents over the age of 65. The patient-provider ratio in the report area is 389:1, which means there is 1 provider for every 389 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)

389:1

Putnam

Missouri

242:1

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

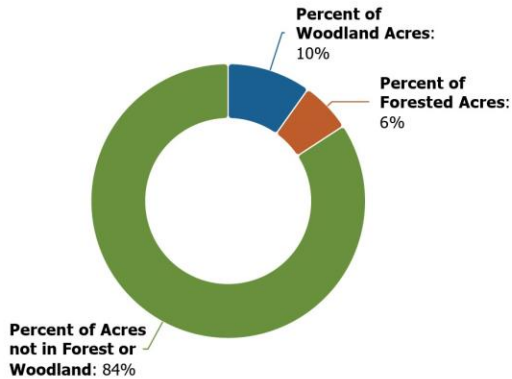
Grand Challenges



CHALLENGE 4: Agricultural Growth & Stewardship: *Resource Management*

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](#).

Rotational Grazing

A planned rotational grazing system allows time for vegetation to rest and recover before being grazed again. In 2017, nearly 16,000 Missouri farms reported practicing rotational or management-intensive grazing. With 11 million acres of row crops and nearly 2 million grazing livestock animals (mainly cattle), Missouri is well suited to capitalize on the grazing potential of cover crops. In addition to generating more income, grazing cover crops can have a positive impact on soil health. Manure, hoof action and the root responses that grazing elicits stimulate soil biological activity and lead to healthier soil and healthier crops.

Percent of Operations Utilizing Rotational Grazing



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



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

Missouri 4-H

4-H Members

4-H programs are grounded in the belief that youth learn best by doing. Through hands-on projects like science, health, agriculture, and civic engagement in a positive environment, youth receive guidance from adult mentors and are encouraged to take on proactive leadership roles. Youth have the opportunity to concentrate on one focus area, or they can try a variety of programs throughout their 4-H experience. Putnam County served youth through 5 community clubs, 0 SPIN Clubs, 1 In-school 4-H Clubs, and After-school 4-H Clubs offering long-term educational experiences in which members learn life skills such as decision making, public speaking, and working with others.

- There were 110 members in the community clubs, SPIN clubs, in-school, and afterschool 4-H clubs in Putnam County during the 2022-2023 4-H Year.
- Over 79 4-H members were engaged in science related projects and experiences.
- Collectively youth participated in 1210 hours of community club work in Putnam County.



- 257 Animal Exhibits at the 2023 Putnam County Fair from 4-H members and FFA members, who are also supported through youth programming.
- Putnam County youth exhibited over 26 exhibits in the 4-H Building and livestock shows of the Missouri State Fair.
- 8 state level recognition forms were completed by members. These forms provide members with a vital step in the Experiential Learning Model. Members reflect on the things they have done and learned throughout the 4-H year and how they can apply what they have learned in the upcoming year.
- 6 youth from Putnam County Participated in skill development contests on the State level including State Meats Contest, State Livestock Judging, State Fashion Revue, State Poultry Day, State Horse Judging and State Public Speaking. Participation in these events helps youth to develop confidence and practice their decision making and public speaking skills through competitions tied to project areas they are passionate about.



Agricultural Growth
& Stewardship



Economic
Opportunity



Educational
Access &
Excellence



Health
& Well-Being

Putnam County

Missouri 4-H

Local Impact

A community of 814 youth building life skills, contributing to their community, and becoming college and career ready.

1 in every 10 Putnam County youth under the age of eighteen participated in a MU Extension 4-H Youth Development program in 2023.

Putnam County members enrolled in a combined total of 379 projects in 2023. The top project areas included:

- Arts & Crafts
- Photography
- Beef
- Swine
- Rabbits
- Meat Goats
- Woodworking
- Poultry
- Sheep
- Clover Kids



Putnam County

Missouri 4-H

Local Impact

4-H Volunteers

- Putnam County 4-H members were supported by 15 enrolled, screened and oriented adult volunteers supporting the development of youth in 2023.
- Volunteers contributed 1500 hours to the Clark County 4-H program valued at \$ 47,700.

Volunteers participate in development opportunities like project leader training and club leader summits, in addition to ongoing support from MU Extension youth faculty and staff gaining knowledge in how to offer a valuable learning experience for the youth they are working with while maintaining a safe, supportive environment. Volunteers create, support, and are a vital part of the 4-H community. Dedicated volunteers help to organize club meetings, fundraisers and events. They also provide learning opportunities for youth in their projects, teaching life skills and instilling qualities of character like respect and responsibility in members. Adult volunteers serve as mentors for our youth, helping them transition into caring, healthy adults who contribute back to their communities, which is priceless.



Putnam County

Missouri 4-H

Local Impact

Impacts of 4-H Programming

- 4-H members are twice as likely to go college compared to their non-4-H peers and they tend to pursue careers in STEM fields (Lerner & Lerner, 2011).
- 4-H also prepares youth for the workplace. Youth must be prepared to live and work in a world we cannot completely envision- competing for jobs that do not yet exist, using technologies that have yet to be identified. 4-H is the only youth development program with direct access to technological advances in agriculture, life sciences, and social sciences from the university system. This brings relevant science content and hands-on learning that helps youth thrive (Arnold, Bourdeau, & Nott, 2013).

Youth who earn a bachelor's degree increase their annual earnings by \$2 million over their lifetime. (U.S. News and World report, 2011) If 6 of the Putnam County youth participating in 4-H events on a college campus receive a Bachelor's degree, 4-H would help young people acquire \$ 6,000,000 more in lifetime earnings





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

24th Missouri Livestock Symposium

The Missouri Livestock Symposium (MLS) started in 2000 as a means of providing the latest research and best management practices to area livestock producers and landowners. The MLS has evolved into an annual educational program attracting hundreds of livestock producers from across the Midwest and is considered a source for professional development by area agricultural educators and professionals. The MLS involves a 20 member all volunteer planning committee contributing approximately 672 hours annually to planning and another 293 hours for event implementation.

The Missouri Livestock Symposium features a true multi-disciplinary and cross-agency approach to program planning with a diverse committee consisting of producers, Extension specialists, University researchers and governmental liaisons. The inclusion of diverse backgrounds and people strengthen the program direction and overall program delivery.

Strong attendance noted in 2023 Livestock Symposium. Keynote speaker, Corbitt Wall, DV Auction Market Analyst headlined the return as he spoke about “The Packer’s Playbook.” Many notable topics and speakers were featured on Saturday December 2nd as livestock producers looked for answers and interaction with experts in livestock production.



Corbitt Wall delivering the keynote address at the 24th Missouri Livestock Symposium



Wesley Tucker, MU Extension Agribusiness Specialist speaks in the Forages Section.



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Putnam County

Agriculture and Environment

Local Impact

Food Safety Modernization Act (FSMA) aims to ensure the United States food supply is safe by shifting the focus from responding to preventing contamination in livestock foods. MU Extension livestock specialist Brenda Schreck met with agriculture firms that provide and/or process livestock feed. Schreck created one new firm plan in the state and continues to maintain 23 in the northeast region.

Discussions were held on the implementation of documentation for animal feed safety preventive controls on-site, and the firm's efforts for animal feed safety as required by FDA. Feed safety manuals aid firms in maintaining accurate documentation of preventive measures as they are conducted on-site. Residents of Putnam County participated in this event.



Extension Putnam County

University of Missouri



Putnam County

Agriculture and Environment

Local Impact

Management intensive Grazing (MiG) emphasizes controlling harvest of pastures with grazing livestock. Under continuous grazing, livestock are given access to pasture as one unit for the entire grazing season with little or no management intervention. MiG involves dividing large pastures into smaller grazing cells or paddocks. Livestock graze one paddock for a short duration and then move to another paddock. This provides a recovery or rest period for the forage, resulting in increased forage production and an opportunity for legumes to be competitive in a pasture.

Surveys of past participants indicate that implementing MiG increased beef cattle production by 22 percent on the same acres which had been continuously grazed. They reported benefits of increased carrying capacity, more grazing days, less feed and hay used, improved forage quality, less time and labor, increased soil fertility, improved health and conception rates of cattle, and improved ease of handling cattle.

Regional Grazing Schools are taught by MU Extension regional faculty and Missouri's Natural Resources Conservation Service personnel. The schools are three days long and include classroom sessions, field exercises and a visit to a farm using MiG. A Regional Grazing School was held in Linneus September 12-14, 2023.



Putnam County

Agriculture and Environment

Local Impact

Soil testing is a valuable tool for farmers. It is a process used to estimate the ability of the soil to support plant growth. Soil samples submitted to the University of Missouri Soil Testing Lab are analyzed for soil pH and soil nutrients including phosphorus, potassium, calcium and magnesium. Soil can also be tested for micronutrients including sulfur, zinc, manganese, iron and copper.

The objectives of the MU Soil Testing Lab are: to help farmers make effective use of fertilizer to increase their financial returns; benefit society with improved environment and water quality through efficient use of fertilizer on farms, lawns and gardens; and to ensure public and private labs are providing reliable and quality soil test results to the citizens of Missouri.

University of Missouri Soil Testing Lab ensures Missouri farmers are efficiently using the plant nutrients which are applied to agricultural fields by providing unbiased, research-based fertilizer and limestone recommendations based on soil fertility analysis. This is a cost-effective way to determine if adequate fertilizer is being applied to obtain the yield goals set by the farmer without applying excess fertilizer which is not only costly but can be damaging to the environment. In 2023 there were 27 soil samples from Putnam County analyzed by the MU Soil Testing Lab.

The private pesticide applicator license issued by the Missouri Dept of Agriculture is required for producers wanting to purchase and apply restricted use pesticides. Restricted-use pesticides are classified as such because without additional training they pose a risk to people, animals, or the environment. Agricultural producers needing to obtain or renew certification of this license must take this pesticide safety training every five years. They must be 18 years of age and directly involved in the production of agricultural commodities to obtain this license.

Pesticide applicator training helps reduce the harmful effects of improper pesticide use. During the training, participants learn about safe handling of pesticides, proper mixing, calibration techniques, environmental ramifications of improper mixing or careless application, chemical breakdown of pesticides in the environment, what records are needed, pesticide formulations, personal protective wear and how to clean it, pesticide storage, common Missouri pests, and integrated pest management (IPM) techniques.

During 2023, 11 agricultural producers in Putnam County were trained and licensed to purchase and apply restricted use pesticides.

Putnam County

Agriculture and Environment

Profiles and Stories

MU Extension hosted and taught Farm Tax Workshops for farm businesses and farm and ranch families. The content included farming: hobby vs. business, employee vs, independent contractor, weather related sales, sale or trade of business property, legislative update, 1099s, expiration of key income tax provisions, tax issues arising from the death of a farmer, and depreciating and expensing farm assets.

The workshops were designed to convey information in a concise manner using information from the IRS and the Land Grant University Tax Education Foundation. The purpose of the classes is to get relevant and helpful information to farmers so they can make decisions and be better prepared to work with their professional tax preparer.

The workshops were a combination of in person classrooms and online via Zoom, with a total of seventy-seven participants.

Most participants completed an optional post survey. Seventy-five percent reported they had a better understanding of drought issues. Seventy-five percent said they understand the difference between 1099-MISC and 1099-NEC, Eighty-one percent are aware of depreciation methods, Ninety-four percent understand legislation is scheduled to expire. Ninety-four percent recognize year end planning is important.

Many participants planned to take some action before the end of the year. Some of the planned actions included: reviewing farm records (88%), meeting with tax preparer and communicate with family members (31%). Plan to communicate with family members about tax issues (69%) and sixty-nine percent plan to review resources before purchasing begins in 2024.

Farm tax education workshops benefit individuals by increasing their understanding and knowledge, leading to more informed decisions and management of taxes. Better knowledge also leads to improved communications with their tax preparers and accountants. The result is researched and timely purchases of farm expenses, optimizing income tax scenarios and improved profitability over time. Money saved in income taxes stays local and is spent in local businesses up and down main street, making a more vibrant and sustainable rural economy.

Putnam County

Agriculture and Environment

Local Impact

Missouri Farm Lease education provide producers and landlords valuable assistance
Darla Campbell

Forty-three people attended the two farm lease classes held in 2023 offered both online and in-person. Topics included current rents and trends, items to include in a lease, terminating a farm lease, crop and livestock share arrangements and flex leases. Additionally, I answered one-on-one questions throughout the year.

The goals of farm lease education include establishing a fair lease for all parties and minimizing disputes on lease issues. Good communication and fair lease arrangements lead to less litigation, better neighbors, and higher productivity.

Missouri Fence Law

I helped landowners and tenants understand the complex Missouri Fence Law. I discussed alternatives to litigation and shared our guide sheets. Good fences and a clear understanding of each party's responsibility for that fence, make for good neighbors and safer roads.



Farmers' Markets Provide Price Data to Support New And Existing Producers

Darla Campbell

The Missouri Department of Agriculture partnered with University of Missouri Extension to collect farmers' market price data on crops present at Missouri farmers' markets June-October of 2023. Six MU Extension Specialists collected data while providing production, marketing, and financial resources to producers around the state. There was a total of 63 different markets visited in 2023 with 2246 prices collected.

I made 14 market visits to 12 different markets mostly in Northeast Missouri. These markets were in Kirksville, Unionville, Brookfield, Milan, La Plata, Louisiana, Hannibal, Palmyra, Mexio, Booneville, and Columbia.

Putnam County

Agriculture and Environment

Local Impact

Agriculture Lenders' Seminars
Darla Campbell and Mary Sobba

Eighty-three lenders from 25 Missouri counties and 1 from Illinois attended this year's seminars held in Mexico and Brookfield. Lenders learned about Crop and Livestock Outlook, Macroeconomics, Rental Rates & Land Values, MU Budgets, Input Costs, Renewable Energy, FSA, and MASBDA Programs. Lenders in attendance managed over 6007 farm loans totaling more than \$105,020,500.

By attending University of Missouri's Agricultural Lenders' seminars, lenders are able to help their clients make better decisions based on risk management tools, budgets, and other resources provided. This benefits their portfolio of producers and landowners by an increased understanding of enterprise budgets, market outlook, and other decision influencing factors affecting families' and businesses' financial health.

SERVE
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Putnam County

Agriculture and Environment

Local Impact

2023 PUTNAM COUNTY HORTICULTURE INFORMATION FOR ANNUAL REPORT

Master Gardener Program:

In 2023, a Putnam County Master Gardener completed 12.5 hours of service and 4.5 hours of continuing education. The value of her service hours was \$397.50 using the value of \$31.80 for 2023 per volunteer hour from the Independent Sector. Master Gardeners in Putnam County are also members of the Putnam County Garden Club. They coordinate the flower show at the Putnam County Fair. Master Gardeners worked on a vacant lot, planting flowers and making it into a beautiful site near the city square. Throughout the year they have meetings, participate in educational opportunities, and service to their community.

Master Pollinator Steward

Two Putnam County residents, participated in the 6-week Master Pollinator Steward Course. The course teaches research-based information to meet the growing public interest in honey bees and native pollinators. It also provides a better understanding of the importance of pollinators to society, identifies opportunities for individuals and communities to create or improve pollinator habitats in their area, and provides a broader education on plants and pollinators for new and experienced beekeepers. In addition to classroom presentations, participants attended field trips to a 3-acre yard landscaped for bees, birds and butterflies, and to a prairie in Putnam County.

Horticulture program

In March, 21 people attended a spring garden program at the Putnam County Library to learn tips about planting a vegetable garden.

Garden Talk Newsletter

Forty-two people from Putnam County receive the Garden Talk newsletter. The newsletter provides timely gardening tips and information on a variety of horticulture topics. It also includes upcoming horticulture programs and activities. Some residents receive it electronically.

Consultations:

Throughout the year, home gardeners and producers in Putnam County receive information and advice on various gardening questions, to help them make more informed choices about their vegetable gardens, flower gardens, fruit trees, lawns and landscapes. A farm visit was made to Duane Carney in September to discuss production practices, and the farm and prairie of a Master Gardener to see the work she had done converting land back into prairie.



Putnam County

Health and Human Sciences

Local Impact

Family Nutrition Education Programs Annual Report for Putnam County

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 256 participants were from Putnam 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.

Nutrition Program Associate serving Putnam County



"I have tried beans at home, and I never liked them, but I tried them today and they were really good. I am going to go home and tell my parents." ~2nd grade student

"I like when you are able to come into my classroom and teach because I know a lot of these kids are very picky, but they are willing to try new foods with you because of your encouragement. I really believe that you are helping them expand their food pallets." ~2nd Grade Teacher

A staff member at Schuyler County Elementary stated "I went and bought the food to make the vegetable wraps at our teachers meeting because they are very simple and really good."