



2016



Annual Report

Ripley County Extension



Return on Investment

UNIVERSITY OF MISSOURI

M Extension

Ripley County

Using science-based knowledge, University of Missouri Extension engages people to understand change, solve problems and make informed decisions.



Dear Friends

Dear Friends of University of Missouri Extension,

A unique partnership exists between University of Missouri Extension and local government. In Ripley County, we're proud of the many ways our partnerships with local government, organizations and coalitions have worked to improve the lives of residents in Ripley County.

While MU Extension offices draw from the expertise found on the four University of Missouri campuses, our regional extension faculty is ingrained in our local communities. The input we receive from local citizens and the University of Missouri Extension Council provides us with the opportunity to tailor our programs to suit the specific needs and priorities of our residents. In this way, we play a vital role in not only enhancing the economic viability of the community, but in creating and sustaining healthy environments due to stronger individuals and families.

Each year, more than 1 million Missourians rely on University of Missouri Extension for research-based information and education to help them solve problems and make informed decisions. In addition to one-on-one assistance, citizens benefit from seminars, services and research-based publications. Many university pamphlets, guide sheets, and publications are distributed with information on a particular topic of interest to them. In addition, many requests are handled over the telephone, as callers are immediately provided with answers to their questions or are referred to additional sources of assistance; or receive follow-up information to provide the help they need. Many people visit the Ripley County Extension Office. The administrative assistant and specialist are specially trained to answer questions and provide pertinent information. Specialists meet with clientele to assist them when specific expertise is required, or refer them to the appropriate subject matter specialist. The Extension Office also serves the county by offering soil testing at a minimal cost to farmers, homeowners, and business owners.

This annual report highlights many of the programs we utilized in an effort to make a difference in Ripley County during 2016. It has been a privilege to serve our community and we look forward to the opportunity to continue providing resources to assist in making a positive impact in the lives of the residents of Ripley County.

Sincerely,

Thomas Chaligoj

Thomas Chaligoj
Ripley County Extension Chairperson

Steven Ivy

Steven Ivy
County Program
Director





From the Office of the Vice Chancellor



UNIVERSITY OF MISSOURI
Extension

January 5, 2017

VICE CHANCELLOR'S OFFICE

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Dear County Commissioners and Friends of MU Extension:

The past year was a busy one for University of Missouri Extension. As a long-time extension professional and newcomer to Missouri, I have found the support from people like you to be remarkable. Missouri is a special place with a promising future.

Through the efforts of faculty, staff and amazing volunteers, MU Extension connects millions of Missourians with knowledge they put into action in their daily lives. Using a range of learning experiences, we reach people of all ages and backgrounds, in every corner of the state.

In response to direct input received from local councils and the unique nature of each county, extension programs vary slightly across the state. This strength of local flexibility and public engagement enables county-based Mizzou faculty to provide local learning experiences that improve lives and community vitality. For example:

- MU Extension business specialists helped local Missouri businesses achieve sales increases of \$186 million while creating or retaining 7,766 jobs.
- Helping assure access to health care in local communities, MU Nursing Outreach made it possible for 2,094 nurses keep their skills up to date.
- Our 4-H youth development specialists and other extension team members worked with volunteers and community leaders to reach 269,000 youths ages 5 to 18 across the state.
- Anticipating the needs of Missouri's aging farm population, extension faculty developed workshops that target estate planning, succession and retirement planning specific to farmers.

These are just a few examples of how Mizzou's commitment to extension and engagement benefitted Missourians this past year.

In the interest of better serving Missourians, we are conducting a statewide needs assessment. It will include extensive input from local communities and stakeholders. It will result in stronger alignment between extension programs and local needs.

I encourage you to read the attached annual report from your county office to gain an understanding of how MU Extension has worked this past year to serve your community.

Your support of MU Extension and our efforts in your community is greatly appreciated. As always, I welcome your input on how the University of Missouri can better serve the people.

Sincerely,

Marshall Stewart, Ed.D.
Vice Chancellor for Extension



4-H Youth Development

Steven Ivy, 4-H Youth Development Specialist

Steven Ivy,
4-H Youth Development Specialist



Ripley County 4-H 101 youth members	Ripley County 4-H 46 volunteers	What Action Did They Learn?	How Does This Work Affect Ripley County and Missouri?
<p>Project clubs: Poultry club 14 members Rabbit club 11 members Shooting Sports 45 members Livestock club 43 members Rapid Readers 16 members Robotics 31 members</p> <p>4-H school programs: Ecology Day 146 youths Conservation daze 175 youths School health fairs 116 youths Character education classes 366 youths Doniphian R1 open house 570 youths</p>	<p>4-H special interest events: Art and Crafts nights 4-H fair exhibits Concession Stand fundraiser Feeder pig basic training Youth Task Force 4-H Recognition night Legislative Day Back to School (school readiness program) 4-H Painting Party 4-H Pottery Class Everyday Hero's 4-H Camp Jake Days</p>	<p>4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, public speaking and working with others. Members learn by doing under the guidance of adult volunteers, who teach projects ranging from robotics and arts to veterinary science and shooting sports. Clubs also involve children and teens in community service, camping and educational trips.</p>	<p>Ripley County a community of 13,649, where 4-H youth participants building life skills, engaging in science and contributing to their community.</p> <p>One of every 5 Missourians between the ages of 5 to 18 years old participated in the University of Missouri extension 4-H youth development programs in 2016.</p> <p>46 volunteers participated in 89 hours at 21.30 valuing their time at 1,885.70.</p> <p>More importantly, these adults serve as mentors for our youth helping them transition into health adulthood, priceless.</p>

Number of Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Affect Ripley County and Missouri?
276 youths, 71 Adults Total: 347	Shooting Sports Club (9 events)	Practice Shooting on a range, learn safety about shooting	Decreases accidents, Increases knowledge of safety with shooting equipment.
95 youth, 39 adults Total: 134 87 youth, 40 adults Total: 127	4-H Rabbit Club (10 events) 4-H Poultry Club (10 events)	Monthly meetings to learn more about rabbits and poultry.	Provides youth with a club to raise rabbits and poultry. They learn to do so in a healthy, productive, efficient environment.
244 youths, 112 adults Total: 356	Livestock Clubs (6 events)	Raising livestock throughout the summer to sell as market livestock projects at fair. Several fairground clean ups.	Youth raise and sell livestock and keep records of expenses and weights of animals. Youth learn the process of raising and selling livestock
52 youth, 13 adults Total: 65	Robotic Days (2 events)	Youth learn to operate, build, and program robots.	Youth use scientific knowledge and math skills to operate, build and program robotics. Youth can use this knowledge in future jobs.
24 youths, 14 adults Total: 38	Rapid Readers (5 events)	Meet monthly to discuss books they have read and do arts and crafts projects regarding literature.	Will help youth develop stronger reading skills and help decrease illiteracy in our county.
32 youth, 12 adults Total: 44	4-H Arts and Crafts Day	Youth created various arts and crafts	Youth learn to work together to create several crafts. Team building prepares youth to be better workers in the future.
93 youths, 36 adults Total: 129	4-H Recognition Night/4-H council meeting. (4 events)	Plan and vote on upcoming 4-H events and business.	Provides youth with projects to learn by doing so they become a more productive member of Ripley County. Allows parents input into our activities.





Number of Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Affect Ripley County and Missouri?
51 youths, 43 adults Total: 94	Jakes Day	Youth were given turkey calls and rotated trough sessions on different topics related to turkey and safety hunting.	Ripley County youth had a fun day and became more educated on issues related to turkey hunting and other topics.
145 youth, 31 adults Total: 176	Conservation Daze	4th grade students attended seven session covering topics on conservation.	Students were taught safety, preservation, and conservation. This will help make Ripley County a safer, cleaner place to live. Students learn ways of conservation in several different areas.
136 youth, 29 adults Total: 165	Ecology Day	5th grade students attended seven sessions covering topics on ecology.	Students learn about our world's ecology and ways they can help protect it. They learn ways to help conserve what our environment will need for the future.
4-H Camp 71 youth, 26 adults Total: 97 Ripley County 4 youth 2 adults Total: 6	4-H Youth Camp	Youth meet at Camp Allen for three days and two nights.	Youth were taught many hands on skills that increase their knowledge and confidence to become better leaders for their local communities.
26 youth, 10 adults Total: 36	Feeder pig basic skills	Students were taught fact about picking out swine, raising and feeding swine.	These youth raised swine to sell at the Ripley County Fair.
4 adults, 21 youths Total: 25	SMQA Training	Attended training on quality assurance on raising livestock	Provides 4-H youth with the lifelong knowledge needed to raise livestock in a quality manner.
6 youths, 3 adults Total: 9	Missouri Pork Expo	Made a trip to Columbia Missouri for training. Youth spent a day learning ways to care for swine and their many uses.	Youth learn responsibly and what it takes to organize and supervise a day long event. The energizer teaches youth how to become better leaders in our communities.
103 youth, 16 adults Total: 119	Southeast Energizer	Youth attended a day of workshops on a variety of topics. Energizer was organized and ran by local youth.	Provides youth with knowledge to raise and sell more quality swine.





4-H Youth Development

Steven Ivy, 4-H Youth Development Specialist

Number of Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Affect Ripley County and Missouri?
42 youths, 38 adults Total: 80	4-H farm visits (4 events)	Livestock Specialist Joel Tatum and 4-H specialist Steven Ivy made visits to all the homes of youth to check the animals the youth planned to sell in market sell at the Ripley County Fair.	Livestock and pens were checked. Suggestions were made orally and a letter regarding the suggestions was sent to all youth. This helped youth and their parents raise better quality livestock for the market sale.
136 adults, 153 youth Total: 289	Ripley County Fair and Fair Board Meetings (7 events)	Plans for fair activities are made. Fair clean up days are also organized.	Organize and plan events for county fair and 4-H market livestock projects and home economic projects.
52 youths, 31 adults Total: 83	Livestock weigh in (3 events)	Weigh swine, sheep, and goats.	Allows youths to show and sell livestock at Ripley County Fair.
468 youths, 73 adults Total: 541	Ripley County school program "Character Ed"	Students in 4th and 5th grade were taught lesson on character education.	Provides youth with structured activities and helps create more young people that have good character and are better citizens.
174 youths, 37 adults Total: 211	Ripley County Schools Health Fairs. 2 events	Students were targeted and informed about dangers of smokeless tobacco.	Lesson helps lower tobacco use while teaching it's health hazards.
12 Adults, 300 Facebook page likes	Ripley County 4-H Programs Facebook Page and 4-H Newsletter	Create and update current information for 4-H clubs	Provide information on extension and 4-H programs. Provides information on upcoming events, places, dates and costs of different activities.
23 adults, Total :23	4-H Volunteer Orientation training	Attended training on quality assurance when raising livestock	Provides our 4-H groups with trained and qualified 4-H volunteers to help support 4-H activities





Agriculture and Natural Resources

Sam Atwell Agronomy Specialists

Sam Atwell

Agronomy Specialist



Agriculture education workshops and number of learners:	What Did They Learn?	What Action Did They Take?	How Does This Work make Ripley County and Missouri better?
<p>Ripley County</p> <p>Missouri Crop Production systems Delta Center Field day Rice Field Day Regional Agriculture meetings Forage, corn, soybean, rice, wheat, soils, water-melon meetings Private Pesticide Training</p> <hr/> <p>97 participants</p>	<p>These workshops gave research-based information regarding:</p> <p>Farm Management Soil Fertility Tillage systems Crop production Variety selection Irrigation system Insect, disease weed control Pesticide use, safety and environment Cover crops Evaluation of farm resources Production programs.</p>	<p>The workshops helped the farmers who participated determine the most profitable, environmental friendly and safest soil and crop program for their farm.</p> <p>Farmers were up-to-date on the latest research-based information as they managed their farming operation.</p>	<p>Public Value:</p> <p>As a result of this education and information, Ripley County farmers increased their profits by increasing yields, adjusting inputs, improving production skills, and marketing techniques. This acquired knowledge helped the farmer have a more efficient and effective operation which increased the tax base of the county and state.</p>



Agriculture and Natural Resources

Jamie Gundel & Mike Milan, Agronomy Specialists

Sarah Denkler, Horticulture Specialist



Jamie Gundel
Agronomy Specialist



Sarah Denkler
Horticulture Specialist



Program	Explanation of Programming	Impact to Attendees, Ripley County and Missouri?
Soil testing	Review soil test reports to determine necessary corrective action to prepare soil for viable production with less waste	By using soil test results it is possible to reduce the application of nutrients and lime to Missouri soils, to prevent application when it is not needed, to reduce contamination of water sources. Soil test recommendations: 145 soil tests total—125 for pasture & hay; 11 wildlife food plots; 7 crops; and 2 gardens.
Pesticide applicator training	The goal of training is to provide potential chemical applicators with the necessary information to use chemicals responsibly to protect soil health, water quality and air quality while producing a safe product through certification and recertification of Missouri's private applicator license.	Our main training is during Ag Expo where we draw from the counties of Bollinger, Butler, Carter, Dunklin, Mississippi, New Madrid, Oregon, Ripley, Shannon, Stoddard, Reynolds, Wayne and others. This training has an effect on all agriculture enterprises in southeast Missouri with the potential state impact of \$126,329,000. Newly certified applicators composed 30% of attendees.
Healthier MO Communities - serving 10 garden communities	Healthier MO Communities - serving 10 garden communities The primary goal of Healthier MO is to improve physical activity and healthy eating at the local level in areas with high chronic disease disparities through education, plant growth and harvest.	The group felt strongly that they wanted to stay together. The impact of the education provided is still being felt in community gardens representing 10 communities in southeast Missouri. Counties include Butler, Carter, Howell, Oregon, Mississippi, Reynolds, Ripley, Scott, Shannon.
General gardening questions	Asked question to educate the public on horticulture practices that reduce soil loss, water contamination and increase home harvest of fruits and vegetables.	In 2016 this included identification of herbicide damage and disease pressure on commercial fruit, soil fertility, liming and calculation of inputs on commercial pasture land, and care of ornamentals. This impacted over 100 acres of watermelon, cantaloupe and pumpkin combined, with an estimated harvest of at least 500,000 pounds, as well as livestock in the county.
Second grade program Total: 112 Students	This program provides second graders with knowledge and seeds to begin a vegetable garden at home.	The youth that participate in this program plant vegetable seeds and start gardens at home.
The Garden Spade and newspaper articles	These articles are a broad way of getting information to the public to educate them on basic gardening concepts.	Local newspapers reach an audience of over 6,000 and the Garden Spade reaches an audience of over 500. In each case, through reading, homeowners are educated on timely topics such as soil testing, disease and insect management and gardening tips that improve their ability to grow plants and harvest food.
Missouri agriculture newsletter	Prepared and delivered a monthly newsletter with research based information related to commercial agriculture enterprises.	This service indirectly impacts 410 ag producers and commercial ag companies by providing timely agriculture information regarding new farm practices and upcoming workshops and programs that better prepare attendees for productive success.



Agriculture and Natural Resources



Joel Tatum –Livestock Specialist

Agriculture education workshops and number of learners:	What Did They Learn?	What Action Did They Take?	How Does This Work make Ripley County and Missouri better?
<p><i>Ripley County</i></p> <p><i>Intro to Artificial Insemination:</i></p> <p><i>Forage for quality production</i></p> <p><i>VFD –Vet Feed Directive</i></p> <p><i>Artificial Insemination School Prep.</i></p> <p><i>64 Participants</i></p>	<p>These work-shops gave re-search-based information re-garding: Value of AI versus nat-ural Service in cattle</p> <p>Economic value and upkeep of pastures for quality forage Production Education on the new VFD</p>	<p>The workshops helped the Pro-ducers who par-ticipated deter-mine the most profit-able pro-gram for their farm.</p> <p>Farmers were up-to-date on the latest re-search-based information as they managed their farming op-eration.</p>	<p>Public Value:</p> <p>As a result of this educa-tion and information, Ripley County farmers increased their profits by increasing production skills, and marketing techniques. This ac-quired knowledge helped the producers have a more efficient and effec-tive operation which in-creased the tax base of the county and state.</p>

UNIVERSITY OF MISSOURI
Extension
Live. And Learn.



Business and Community Development

*Richard Proffer, Business Development Specialist
Kevin Anderson, Agriculture Business Development Specialist*



BUSINESS DEVELOPMENT PROGRAM Richard Proffer

EDUCATION PLUS ACTION SOLUTIONS FOR THE SMALL BUSINESS COMMUNITY



Number of Ripley County Learners	Program	What Did They Learn?	What Action Did They Take?	How Does This Make Ripley County and Missouri Better?
60 total attendees covering the counties of Reynolds, Carter, Wayne, Ripley and Butler	LEAD (Leaders in Economic Alliance Development)	4 sessions *How to develop a Strong LEAD team * How to work together as a LEAD team *Hosting a civic forum *Putting it into action	The five counties undertook a project of helping the region become completely workforce ready.	By having all five counties certified as workforce ready, it will enable employers more easily hire people with the right skills for the job. .

AGRICULTURE PROGRAM Agriculture Business Specialist: Kevin Anderson Program: Annie's Project I



Number of County Learners	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ripley County and Missouri Better?
Carter 7	36 hours of instruction (two programs).	Provides farmwomen with the knowledge, skills, and abilities to make informed risk management decisions regarding their farm business operations. Topics included: risk management, record keeping software, ownership of property, insurance, financial statements, spreadsheets, writing a business plan, estate planning, leases, marketing, communication issues, and personality traits.	Participants learned to become a better business partner which leads to women being better at responding to the challenges of farming.	When you support the University of Missouri Extension Annie's Project program, farm women participating in educational activities become better decision makers and business partners; empowering them to respond to the challenges of farming and leading to increased farm profitability. Missouri citizens benefit from a more vibrant and sustainable rural economy and greater food security.
Reynolds 4				
Wayne 3				
Shannon 3				
Oregon 1				
Ripley 1				
Butler 1				
A total of 20 women participated in the Southeast region.				



Family and Consumer Science Activities

*Camelia Younger, Nutrition Development Specialist
Van H Ayers, Community Development Specialist*



Camelia Younger,
Nutrition Development Specialist

Van H. Ayers,
Community Development Specialist



Education Audience	Educational Programming	What Did They Learn?	What Action Did They Take?	How Does This Work Affect These Counties in Missouri?
Regional Economic and Community Development Personnel About 25 participants region wide.	SET initiative. This is a process to develop a regional economic development plan.	Needs of residents in the Ozark counties of Ripley, Butler, Carter, Reynolds and Wayne. Methods to address these needs.	Working together, regional economic development plan is being developed.	With a regional economic development plan, USDA-Rural Development funds will be targeted for projects in these counties. This effort will also create a roadmap for economic development.
Artesian Hub feasibility study. Project in planning during 2016 and implantation during 2017.	Education to residents the commercial potential of art products and local foods. Methods to market products.	Project will begin March 2017.		Project will concentrate in Ripley, Shannon, Carter and Oregon County in Missouri. Information obtained from this effort will be available to anyone.

Delta Regional Authority Grant Awarded To Doniphan Vitality

Doniphan Vitality recently received a Delta Regional Authority Grant. This grant is for a research and planning project to help local artisans and craftpeople earn a better living and support their communities. About half of the grant will go toward funding 4 - 5 part-time jobs, working for Doniphan Vitality, to help with research, project planning, and community outreach in four counties in Missouri (Ripley, Carter, Shannon and Oregon) and two counties in Arkansas (Randolph and Sharp).

The remainder will fund a partnership with MU Extension, who will be supporting community outreach activities

nities through business support for artisan entrepreneurs. It will offer professional services, shared office and equipment and professional development and training.

There will be shared makerspaces with facilities and equipment to make artisan products.

The hub will also help with marketing of Ozark artisan products from the Region, local retail stores with regional distribution routes, online sales with national delivery network, global exports of "Made in Rural America" products, ozark hardwood products, value added agriculture products, graphic art, advanced manufacturing, flavor extrusion, 3D



Doniphan Vitality recently received the Delta Regional Authority Grant. From left: Van Ayers, Community Development Specialist, MU Extension; Cammie Younger, County Program Director for Oregon, Shannon and Carter Counties, MU Extension; Crystal Jones, Interim Director, Institute for Regional Innovation and Entrepreneurship (IRIE) at Southeast Missouri State University; Tami Hale, President, Doniphan Vitality; Dr. John Gruidl, Senior Research Analyst, IRIE; Kelli Behrle, Project Coordinator, IRIE; Alice Shelton, Community Outreach Director, Doniphan Vitality; Felicity Ray, Executive Director, Ozark Foothills Regional Planning Commission and Matt Winters, Associate Director, Ozark Foothills Regional Planning Commission. Not pictured: Graycen Bigger, Researcher and Arts Education Program Director in Pocahontas, Ark. who will be joining the Doniphan Vitality team to lead community outreach in Arkansas.

Family and Consumer Science Activities



Phyllis Flanigan, Human Development Specialist



Phyllis Flanigan,
Human Development Specialist

Number of Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Affect Ripley County and Missouri?
Youth task force met monthly. Health Fairs: Team taught Postponing Sexual Involvement to 6 th graders at Naylor -30 students Taught puberty/hygiene to 5 th & 6 th grades at Naylor- 63 and Gatewood & Lone Star -25 (Gatewood) and 22 (Lone Star) Taught puberty/hygiene to 5 th Grade at Doniphan-125 students. Set up Babysitting Basics with Health Dept. staff 10 students.	The Ripley County Youth Task Force meets each month to coordinate efforts for schools and community agencies. Health fairs were planned in area schools. Students learned the five lesson class of Postponing Sexual Involvement program. Puberty/hygiene taught the body development of 5th & 6th graders along with bullying prevention, alcohol, and smokeless tobacco prevention issues. Babysitting Basics class the students become certified babysitters.	The youth task force members are working together making the health fairs and programs successful. The health fairs increased the knowledge of the students on puberty/hygiene, bullying prevention, alcohol, and smokeless tobacco prevention issues. Babysitting Basics class the students become certified babysitters.	When you support University of Missouri Extension Health Fairs programming, youth have indicated they will choose healthy habits for themselves and their friends.
Met with the FCE council quarterly Ripley County Fair – took entries, obtained judges, supervised judging, and placed ribbons.	As advisor to the Family and Community Education members (FCE), I attended four council meetings during 2016.	Obtained the judges for the 4-H, Youth, and Home Economics departments at the Ripley County Fair. Coordinated the judging and the FCE members took entries and placed ribbons. There were 50 people entering home economics and ag classes with 253 exhibits.	Ripley County Association for Family and Community Education (FCE) is an organization of volunteers who have been a strong voice in promoting a healthier and better life for individuals, families and communities. Building on the strength of the family as the center of a strong citizenry, FCE has a rich history of accomplishments.
Walking for Health program for seniors – 71 attended at least one session of the three session.	Walk for Health taught Stay Strong, Stay Healthy with Physical Activity, Move it or Lose it, and A Healthier You and health screenings such as blood sugars, BMI, and blood pressures were held at each meeting.	Walk for Health participants received a pedometer and journal to record their steps. They increased their number of steps walked each week and walking also helps reduce the risk for developing type 2 diabetes and some types of cancer. It helps strengthen the immune system to ward off viral illnesses. Walking can lower stress levels, help you sleep better and improve your overall mood. Recording your progress in a walking log will help you stay motivated.	The Walk for Health program helped Ripley County seniors get the physical activity needed in a safe and healthy manner. Participants increased their exercise by logging walking miles. Through exercise people are living longer due to a healthier life style.





Family Nutrition Education Program

Linda Morgan, Nutrition and Health Education Specialist
Vacant Nutrition Program Associate



FAMILY NUTRITION PROGRAM (FNP) RIPLEY COUNTY



Albertina Henry
Nutrition Program Associate



NOTE: ALBERTINA IS HEADQUARTERED IN BUTLER COUNTY HAS PROGRAMMING IN RIPLEY TO HELP MEET COUNTY NEEDS

Number of County Learners	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ripley County and Missouri Better?
University of Missouri Extension's Family Nutrition Program (FNP) reached a total of 586 participants. Of that number, 426 were direct and 160 indirect nutrition education in Ripley County during 2016. A significant percentage of these participants were low income. FNP provides information on nutrition, food safety, gardening, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.	440 collective workshop hours	Youth from Pre-school to 12th grade learned through kid-friendly, hands-on lessons and activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also included nutrition, food safety, and physical activity, as well as food resource management.	Nutrition Program Associates (NPA's) teach in schools and other grant eligible locations in the county to help them make healthier choices and build healthy habits. In addition, through indirect teaching as well as health fairs or other one-time workshops, they affect many people that they are unable to actually see in a classroom setting.	The Family Nutrition Program (FNP) brought \$8,582,289 in Federal funds to the state of Missouri. These funds were used to provide nutrition education to 951,652 food stamp recipients and food stamp eligible citizens of Missouri. 586 of these participants reside in Ripley County. Participants in FNP became more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increased their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important programming effort serves to reduce healthcare costs over the participant's lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

Extension County Development

Steven Ivy, 4-H Youth Development Specialist/County Program Director



Steven Ivy,
4-H Youth Development Specialist



Number of Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Affect Ripley County and Missouri?
56 adults Total:56	Youth Task Force (7 events)	Organize upcoming events in our schools	Allows us to plan events such as healthcare training and health fairs in our area. Also allows us to cover several topics with youth in all Ripley County Schools.
4 adults Total:4	Legislative Day	Visited Jefferson City, Missouri with extension board members. Talked to legislative officials about Ripley County and 4-H.	Talked to legislators and voiced our thanks and presented concerns regarding Ripley County.
29 adults Total: 29	Southeast Regional Extension Meeting	Monthly meetings to plan activities and get informed on events in southeast region.	Purpose to create more extension opportunities in our southeast region.
142 adults Total:142	Ripley County Extension Council meetings (12 events)	Mange extension council activities in Ripley County	This board organizes and creates training for Ripley County. Our office does soil testing and answers questions on a variety of different areas.
58 adults Total:58	Soil and Water Board (8 events)	Mange budget and activities of soil and water district.	Creates Conservation Daze for all youth in Ripley County.





Ripley County, Missouri

The County at a Glance



Population: 14,056

- UM Students: 12
- UM Alumni: 102
- UM Employees: 4

- UM Salary & Retirement Income: \$172,460
- UM State Tax Revenue: \$4,627
- UM Federal Tax Revenue: \$20,446

UM Students from the County in 2016

- 12 students
 - 6 - MU
 - 6 - Missouri S&T
- 9 - Undergraduates
- 3 - Graduates
- 9 - Full-time students
- 3 - Part-time students

UM Alumni Residing in the County in 2016

- 102 alumni
 - 68 - MU
 - 7 - UMKC
 - 14 - Missouri S&T
 - 13 - UMSL
- 50 Selected School Alumni
 - 2 - Medicine
 - 10 - Nursing
 - 1 - Health Professions
 - 2 - Pharmacy
 - 1 - Optometry
 - 2 - Veterinary Medicine
 - 9 - Agriculture
 - 16 - Engineering
 - 7 - Law

UM Services Received in the County in 2016

- 36 patients seen at UM Health Care, with \$11,536 of uncompensated care.
- 6,980 contacts with MU Extension through MU Extension events held in district counties.

UM Employees and Retirees Residing in the County in 2016

- 4 people employed by UM
 - 4 - MU
- 6 UM Retirees and Beneficiaries

UM Alumni Teaching K-12 in the County in 2016

- 2 teachers
- 1% of all county teachers
- 2 principals and administrators
- 17% of all county principals and administrators

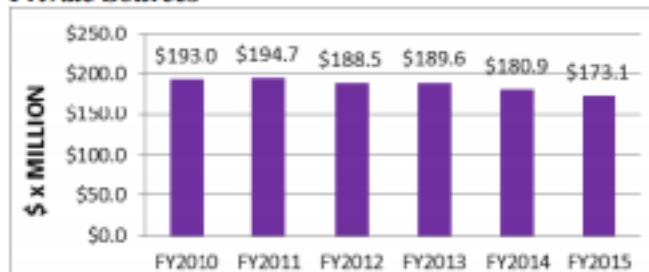
UM Footprint in the County

Naylor Archeological Support and Storage, Ripley County MU Extension Center



Ripley County, Missouri

UM Research Expenditures Funded by Federal and Private Sources



- Between FY2010 and FY2015, UM brought in more than \$1.1 billion in federal and private research funds.

Economic Development Highlights

- With \$3.2 billion in total revenue, UM would have been the 14th largest publicly held Missouri-headquartered company in the state in 2016.
- With approximately 32,000 employees in the state, UM was Missouri's 2nd largest employer in 2016.
- In 2014, UM's \$147.7 million in federal research expenditures represented 94.5% of these expenditures at Missouri public universities.
- In 2015, UM's \$34.9 million in National Science Foundation (NSF) awards represented 84% of all NSF awards made to Missouri public universities.
- UM earned \$16.4 million in licensing income in 2016.
- UM received 184 new invention disclosures in 2016.
- 3 startups were created around UM technologies in 2016.
- UM was issued 39 U.S. patents and filed 63 new U.S. patent applications in 2016.

Electronic Services to the State in 2016

- The Missouri Research & Education Network (MOREnet) provided internet connectivity and technical services to members that include:
 - 59 higher education institutions with more than 238,000 students.
 - 521 K-12 schools serving more than 838,000 students and 75,000 faculty.
 - 121 public libraries connecting 322 library buildings that serve 5.32 million Missourians.
 - Serving the State Office of Administration, several municipalities and various other eligible organizations.
- MOREnet procured over \$20 million worth of telecommunications services from companies doing business in Missouri.

Financial Aid Provided to UM Students in 2016

- \$916.7 million provided to 58,251 total students
 - \$476.3 million (28,288 students) - MU
 - \$193.7 million (11,144 students) - UMKC
 - \$114.1 million (7,722 students) - Missouri S&T
 - \$132.6 million (11,097 students) - UMSL

Education Highlights

- UM enrolled 44.8% of first-time undergraduates attending four-year public institutions in Fall 2014.
- UM awarded 43.2% of the 1,480 Research/Scholarship Doctor's degrees earned in Missouri in 2013-2014.
- UM awarded 25.7% of the 3,252 Professional Practice Doctor's degrees earned in Missouri in 2013-2014.
- UM awarded 55.1% of the 31,016 bachelor's or higher degrees awarded by Missouri's four-year public institutions in Academic Year 2013-2014.

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 2016, based on the best available data.

Data Sources include: Missouri Office of Administration • UM IR • Office of Social and Economic Data Analysis (OSED) • Center for Applied Research and Environmental 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



Continuing Education Programs

MU Extension FY2016 continuing education paragraph summaries

County # MU Conference Office Law Enforcement Training Fire & Rescue Training Nursing Outreach Continuing Medical Education County Totals

Ripley	36	1	6	1	1	45
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Office of Continuing Medical Education and Physician Lifelong Learning (CME/PLL)

CME/PLL serves both MU Extension and the MU School of Medicine by educating physicians and other health care providers to improve the standard of care across the state of Missouri. CME/PLL offered 1,678 noncredit programs, courses and activities. Visit medicine.missouri.edu/cme/about.html for more information.

Fire and Rescue Training Institute (MU FRTI)

MU FRTI is charged with providing comprehensive continuing professional education and training to Missouri's fire service and emergency response personnel. The institute has a direct impact on the well-being and protection of Missouri's 29,000 firefighters and the 6 million people they serve. Courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation, as well as fires. MU FRTI trained firefighters representing all 114 Missouri counties fire and emergency responders. MU FRTI served fire departments, organizations and agencies. For more information, visit mufrti.org.



Law Enforcement Training Institute (LETI)

LETI brings state-of-the-art, certified, professional training to law enforcement officers and continuing professional education to a wide spectrum of other criminal justice and public safety professionals. The institute has for more than 60 years been the state's leader in providing vital training and education services for Missouri's 20,000 in-service personnel and 3,000 police recruits annually. Working with national, state and local agencies from 37 states, LETI provided basic and advanced cruelty investigations training. LETI also presented a variety of topics to extension personnel and the general public, including five personal safety presentations to municipal employees.

MU Conference Office

The MU Conference Office provides high-quality, professional, full-service meeting management for a variety of noncredit educational programs, such as conferences, workshops, seminars and symposia. Whether a meeting is hosted on campus, in out-state Missouri or anywhere in the world, the office's professional staff provides assistance to create the best learning environment for participants. The MU Conference Office register people for conferences on teacher education in math, science and writing; pesticide applicator training; youth leadership programs for students with disabilities; and many other topics. For more information, visit muconf.missouri.edu.

MU Nursing Outreach

Keeping Missouri nurses up-to-date with the knowledge and skills they need to effectively provide care and fully participate in the state's health care efforts is a primary goal for Nursing Outreach. Nursing Outreach helped health care professionals participate in a nursing outreach program and reached another nurses through co-sponsored multidisciplinary programs. Nursing Outreach serves a predominantly rural health care audience with high-quality, affordable continuing education programs using face-to-face, Web-based and online delivery methods. A full 94 percent of Nursing Outreach's Missouri participants reside outside the metropolitan St. Louis and Kansas City areas.



Osher Lifelong Learning Institute (OLLI)

OLLI appeals to the intellectual, cultural and curious worlds of adults 50 and older. Classes are taught by retired university instructors, authors, artists and world travelers. OLLI offered courses covering a broad array of interests and subjects. In addition to classes, OLLI hosts many social activities and provides service opportunities for members. Because the retiree population is projected to double in the next 15 years, OLLI is poised to stimulate and engage a growing population of seniors. For more information, visit extension.missouri.edu/learnforlife.

Veterinary Medical Extension and Continuing Education (VMECE)

VMECE focuses on issues that have widespread impact on Missouri veterinarians and livestock owners. Factors such as disease risks, rising input costs and regulations all affect the livelihood of farming operations. VMECE provides up-to-date information and consultations to veterinarians and livestock owners so they are better prepared to address these challenges. VMECE organized events for veterinarians seeking continuing education credit to renew their veterinary licenses. Team members also presented information about production-related topics or animal disease to people at different meetings across the state. They also made farm visits with local veterinarians to help solve livestock production problems.

MTI

The Missouri Training Institute provides continuing education programs in business, custom-designed training programs, and consulting services for business and industry, public and nonprofit organizations, and educational institutions. Training programs cover human resource management, supervision, management, leadership, team building, effective decision-making, dealing with generational differences and business writing. The institute's consulting services cover human resources, strategic planning, board development and board retreats. For more information, visit mti.missouri.edu.

Labor Education

The MU Extension Labor Education Program works with members and leaders of a variety of workplace-based organizations across Missouri to help them develop skills to contribute to their organizations, act effectively in the workplace, and be informed and active participants in their communities. The Labor Education Program offered 38 courses and conferences to meet the needs of participants, the majority of whom are leaders of organizations representing the economic interests of more than 20,000 working people in Missouri and surrounding states.

Activities and Awards



2016 PROGRAM HIGHLIGHTS INTRODUCTION

University Extension represents the outreach arm of the four University of Missouri System campuses and Lincoln University. Through us, local residents have access to a vast information base to help with decision making and problem solving.

The program highlights in this report represent just a portion of the efforts of University Extension and their impact. Every year thousands of contacts with youths and adults make a difference in their lives.

Many community members volunteer their time in helping staff better meet the needs of local residents. We can not thank them enough for their dedication.

RIPLEY COUNTY 2016 FARM FAMILY OF THE YEAR

2016 Ripley County Farm Family

Kids, cows, and horses. That's what life is all about for Randy and Jan Spencer on their farm located between Fourche Creek and Dry Creek in southern Ripley County.



"When you live in the country you learn to do without a lot of stuff that money could buy. But it's where we want to be." — Randy Spencer

EXTENSION COUNCIL

The Ripley County Extension Council is an active group of Ripley County residents who have the responsibility of governing their local extension programs in the county. This past year the council has been active in promoting and planning many of the programs that were offered in the county. Many of them also serve on extension-sponsored committees and coalitions. They have gained leadership skills while serving on the council, through training and the implementation of programs. Extension council members and extension staff act as educational "brokers," putting the interests and concerns of local people together with the resources of the land-grant universities in such a way that people can obtain their goals.



Extension Council Activities 2016

- ◊ Election – Re-elected five new members
- ◊ Extension Council Training – Trained all extension council members.
- ◊ Shotgun drawing – (Council Fundraiser) \$578.02
- ◊ Ripley County Fair – 3-Gun and Drawings (Council Fundraiser) \$2,027.02 raised.
- ◊ Council member Mike Melson, Grady Robinett and Michael Thornton volunteered with 4-H shooting sports and "Jakes Day" a National Wild Turkey Federation event.

UNIVERSITY OF MISSOURI
Extension
Live. And Learn.



2016 Ripley County Staff & Budget

Ripley* and Out-of-County Faculty

► Families and Youth Development

*Steven Ivy
4-H Youth Specialist/
County Program Director

Phyllis Flanigan
Human Development Specialist

Cammie Younger
Nutrition Specialist

Linda Morgan
Nutrition & Health Education Specialist

*Vacant
Nutrition Program Assistant

► Community Resource Development

DeNae Gitonga
Community Development Specialist

Richard Proffer
Business Development Specialist

► Agriculture

Sam Atwell
Agronomy Specialist

Mike Milam
Agronomy Specialist

Joel Tatum
Livestock Specialist

Kevin Anderson
Agriculture Business Specialist

Sarah Denkler
Horticulture Specialist

► Regional Director

Janet Kline
SE Regional Director

Office Support Staff

*Rose Orr
Office Manager

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Extension
Ripley County

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Fax: 573-996-4097
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Visit our website extension.missouri.edu/ripley

2016 Council Budget

INCOME	2016
County Court	\$24,273
Operation (Fundraising)	\$4,000
Short Course	\$600
Soils	\$500
Resale	\$35
Mail Allocation	\$1,000
Totals	\$30,408

EXPENSES	2016
Personnel Services	\$23,525
Publications and Supplies	\$500
Communications	\$1,000
Equipment	\$700
Repairs	\$121
Travel	\$3,000
Other	\$262
Direct Internet	\$300
Postage	\$1,000
Totals	\$30,408

2016 Ripley County Extension Council

The council, comprised of elected and appointed citizens, is a full partner with Missouri's land-grant universities to deliver research-based information that helps people solve real-world problems and take advantage of opportunities. Council members work with extension specialists to provide the county educational programs, manage finances of local extension operations and provide personnel to carry out extension activities.

Officers:

Thomas Chaligoj, chairperson
Jim Beal, vice chairperson
Mary Virginia Fielder, secretary
Michael Thornton, treasurer

Appointed Members:

Jerry Halley, County Commission
Ty Milner/Steve Smith, Farm Bureau
Mary Virginia Fielder/Economic and
Community Development (FCE)

Elected Members:

Jim Beal
Warren Bland
Larry Casteel
Tom Chaligoj
Mike Melson
Ed Mobley
Graling Robinson
Grady Robinett Sr.
Barb Thompson
Michael Thornton



University of Missouri Extension does not discriminate on the basis of race, color, national origin, sex, sexual orientation, religion, age, disability or status as a Vietnam-era veteran in employment or programs.