



UNIVERSITY OF MISSOURI EXTENSION
Harrison County

2018 ANNUAL REPORT



University of Missouri

**OFFICE OF THE VICE CHANCELLOR
FOR EXTENSION AND ENGAGEMENT**
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Dear county commissioners and friends of MU Extension,

The past year has been extremely productive for University of Missouri Extension and Engagement. With the launch of our county engagement specialist model, which is the centerpiece of a long-overdue restructuring, we are better positioned to serve Missourians.

Most county engagement specialists are now in place and the formal training for this new position rolled out this fall. By January 2019, we expect our CESs to be well on their way to success. I see a great future for them and the communities they serve.

At the MU campus, we have been busy putting in place online resources that will benefit Missouri communities. In particular, the All Things Missouri web portal is an exciting tool that can help community leaders search for valuable data. I encourage you to check it out at <https://allthingsmissouri.org/>.

When 2018 began, we set out to meet with every county's administrative body. This effort provided valuable insight and helped strengthen relationships; and as a result, we will engage in a similar effort in 2019. Meeting stakeholders and deepening county relationships is something we truly enjoy.

As you read your county's annual MU Extension report, I am confident that you will be pleased with the results accomplished through county-based University of Missouri faculty. Our faculty take pride in their efforts to respond to local extension council input.

At the state level, we have committed to a goal of doubling the economic impact of MU Extension over the next decade. This goal of \$2 billion in public value is ambitious — but, by meeting this challenge, we will help a great many Missourians.

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

Sincerely,

A handwritten signature in black ink that reads "Marshall Stewart".

Marshall Stewart



Harrison County Extension Center

1505 Main, Courthouse Basement

Bethany, MO 64424

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EMAIL harrisonco@missouri.edu

Dear Harrison County Commissioners and Residents,

We are pleased to present the 2018 Annual Report for the University Missouri Extension in Harrison County.

This report is a brief overview of programming conducted by extension specialist working in your county, and is divided into the three grand challenge areas addressed by MU Extension: educational excellence, healthy futures, and economic opportunity. The information provided in these sections detail relevant programs presented and their subsequent impacts throughout Harrison County. Additionally, we have shared a few highlights from events, awards and volunteer activities from the past year.

The Harrison County Extension Council would like to thank everyone that has contributed to our success in 2018. Programming in Harrison County would not be possible without the financial support received from the Harrison County Commission, in partnership with the University of Missouri, Lincoln University, and the U.S. Department of Agriculture. Further, countless individual volunteers, groups, agencies, organizations, and businesses provide support to all Extension efforts.

In 2019, MU Extension will be fully transitioned to the County Engagement Specialist model, and we encourage you to visit, call, or email our office and get to know our faculty and staff better. Our intentions for the year are to be fully immersed in your communities, and we look forward working alongside you to enrich the lives of people living and working in Harrison County.

Sincerely,

Tim Hill
Council Chair

Andy Luke
County Program Director

Jackie Spainhower
County Engagement Specialist

University of Missouri, Lincoln University, U.S. Department of Agriculture and Local Extension Councils
Cooperating

EQUAL OPPORTUNITY/ADA INSTITUTIONS

Harrison County Council

Tim Hill, Chair	Kevin Heyle, Vice Chair
Cheyenne Francis, Secretary	Susie Rollheiser, Treasurer
Denise Jennings	
Robert Skeens	
Sarah Linthacum	
William Hill	
Jim Holcomb, County	
Jennifer Prest, Farm Bureau	
Mardee Sadowsky, Youth	
Richard Morgan, MFA	
Vanya Skroh, 4-H	



Harrison County Clerk, Jackie Deskins, swearing in new council member, Susie Rollheiser.

University of Missouri Extension provides equal opportunity to all participants in extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age, disability or status as a protected veteran.

Educational Excellence

Harrison County 4-H

In 2018, Harrison County 4-H served 132 youths through five organized clubs, one SPIN club, school enrichment, camps and community activities. The county 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, public speaking and working with others. 4-H youths learned by doing under the guidance of 48 adult volunteers, who teach projects ranging from computer science and arts to animal science and healthy living. Clubs also involve youth in community service, camping and educational trips.

Volunteers are the core of the 4-H program. They help to create, support and deliver educational programs and experiences. Missouri 4-H volunteers report contributing on average 100 hours per year to the program. Valuing their time at \$24.14 per hour (Independent Sector, 2017), the contribution of Harrison County 4-H volunteers was worth more than \$140,012.

In 2018, 4-H members participated in:

- Northwest Regional Energizer
- Missouri State Fair
- Northwest Missouri State Fair
- Clover Kid Camp and Summer Camp
- Teen Conference
- State 4-H Congress

The youths attending summer camp at Crowder State Park brought home the traveling Garfield Trophy, awarded to the county with the highest percentage of members in attendance.



4-H'ers at Recognition Day

4-H Highlights

In 2018, Harrison County Youth Specialist Becky Simpson and YPA Bart A. Skroh began to assist in afterschool programs in Cainsville and Ridgeway schools. One day a week at each school youth staff brought STEM (Science Technology Engineering Math) programming along with fun crafts and activities into the afterschool setting. We did programs on NASA, birds and beaks, bridge building, how things fly and leather crafts.

Students were at times encouraged to think like an engineer to complete activities.

When starting one session one of the students at Ridgeway told us, "You aren't afterschool, you are Fun School". We couldn't ask for better outcome than that.



Bart Skroh, Harrison County Youth Program Associate, works on a leather project with kids enrolled in one of the afterschool programs.

Horticultural Education

In 2018, horticulture education in Harrison County included audiences such as homeowners and gardeners.

Many requests come from homeowners seeking advice on dealing with lawns and ornamentals. Likewise, home gardeners have challenges that arise each summer and generate many requests.

Commercial produce growers require education on diseases, insects, and other problems that arise during the growing season. In addition, the Food Safety Modernization Act requires them to attend a workshop on produce safety.

A special outreach to educate new and existing beekeepers has been conducted since 2008. With the new problems facing honeybees in recent years, and the decline of pollinators in general, there is an amazing level of interest in this subject.

Healthy Futures

2018 was a transition year for much of MU Extension. Sarah Wood, a Gentry County native, moved offices from Buchanan to Gentry County in September. She spent much of the fall getting settled in her new role and planning for the future. She looks forward to serving the counties of Gentry, Worth, Harrison, and Daviess.

Looking forward, Sarah earned certification for three new programs this fall. Tai Chi for Arthritis and Fall Prevention, Chronic Disease Self-Management, and Diabetes Self-Management are new programs she is looking forward to offering in 2019.



Participants at a Cooking Matters for Kids Class within the quad pose with their certificates of completion.

FNEP Programming

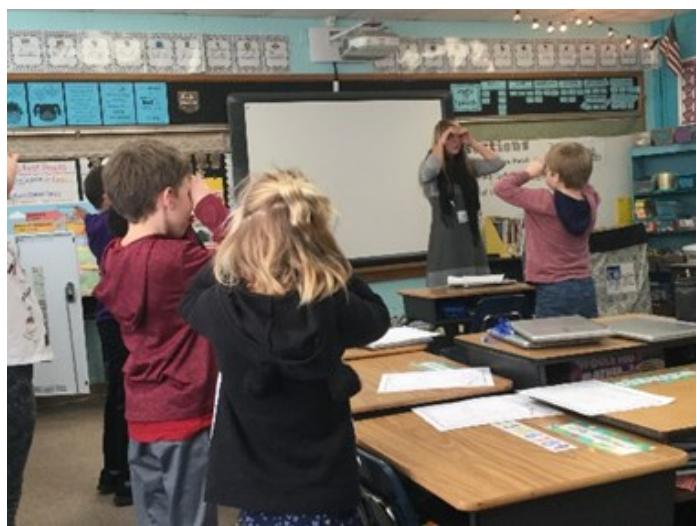
University of Missouri Extension's Family Nutrition Program (FNP) reached 655 participants directly and 955 indirectly with nutrition education in Harrison County during 2018 a significant percentage of which were low income. FNP provides information on nutrition, food safety, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies. In Harrison County, Micah Doty leads the charge for all FNEP activities.

Youth from Pre-school to 8th 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 includes nutrition, food safety, and physical activity, as well as food resource management.

Nutrition Program Associates (NPA's) go into schools and other grant eligible locations and interact with community members to help them make healthier choices and build healthy habits. They see the difference the program makes in people's lives.

The Family Nutrition Program (FNP) brought \$9,449,699.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 735,541 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 2,932,390 educational contacts. This year we had 2,242,249 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs, food pantries and the Show Me Nutrition help line. 1,610 of these participants reside in Harrison County.

Participants in FNP become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase 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.



Third graders at South Harrison Elementary, where the students are getting some physical activity by making movements to the words carbohydrates, protein, fat, water, vitamins and minerals.

Economic Opportunity

Drought Meeting for Livestock Producers

2018 was difficult for area beef producers. A long, cold winter left hay supplies short and pastures late to come on. The next events to deal with were historic drought, pasture and water shortages and drastically reduced hay production. MU Extension worked to assist producers in a variety of ways in order to reduce expenses and help them stay in business. Meetings were held in conjunction with partner agencies (FSA and NRCS) to make producers aware of programs available to assist with forage and water shortages. At the Harrison County meeting held on July 26, 2018, over 60 beef producers were in attendance and were not only made aware of governmental assistance programs but were also updated on utilizing drought stressed crops as silage and forage options.

In addition, producers were assisted with nitrate testing of drought stressed corn and sorghum-sudan crops to make sure that they were safe to feed as either green chop or silage. Presentations and individual consultations were given on the use of low quality CRP hay and baled corn stalks in beef feeding programs. Media outlets including radio, news releases and social media were used to reach producers with the importance of forage and nitrate testing these feedstuffs. Utilizing the BRANDs ration balancing program, least cost diets have been formulated using drought stressed silage for beef producers in every one of the counties in the northwest Missouri quad grouping (Gentry, Worth, Harrison, and Daviess) and in most cases MU Extension was able to reduce daily feeding costs by up to one-third.

Missouri's Complex Fence Law



This year, 18 people attended a program on Missouri's Complex Fence Law instructed by Joe Koenen, MU Faculty in Agriculture and Environment. The course was taught via live stream and held at the

Bethany Technical School. Mr. Koenen has been providing helpful information about Missouri's fence law for over 25 years, and was available to answer landowners questions via remote link.



Dr. Eric Bailey, MU Extension State Beef Nutrition Specialist, visits with area beef producers at the annual Beef Producers Seminar held on November 8, 2018 in Stanberry. The focus of the 2018 meeting was on feeding silage. Many producers have not fed silage in years or perhaps ever in their lifetime. Because of this, MU Extension made a concerted effort to highlight the proper way to manage and feed silage that was harvested as a result of drought conditions.

Ag Lenders

Agricultural lenders attended the annual Ag Lenders meetings in Maryville and St. Joe. Forty-seven lenders and ag professionals attended the meetings, including six from Harrison County. Agricultural commodity and livestock market trends and forecasts were discussed. Tax law changes, current farmland values, and rental rates were also presented to attendees. At the meetings, lenders indicated that they finance \$488 million worth of agriculture production in northwest Missouri. The entire northwest Missouri region benefits from educated lenders. Agricultural producers need knowledgeable professionals who know what market conditions are and have the resources to make sound lending decisions.

Private Pesticide Applicator Training—Annual Ag Update

26 Harrison County residents attended the annual Private Pesticide Applicator Training in Bethany on January 24, while four additional residents attended training in a neighboring county. Additional topics covered at the training included providing information to help producers reduce input costs while maintaining yields; agriculture weather resources; and Dicamba liability and insurance.

Harrison County Highlights

Missouri State Fair Farm Family



Missouri's State Fair Farm Families are sponsored by the University of Missouri Extension and Missouri Farm Bureau. The families selected are active in their community and take on leadership roles. They are respected by their neighbors and support youth organizations such as 4-H and FFA.

Jeremy and Patricia Ellis and their son Wyatt have been selected as the 2018 Harrison County State Fair Farm Family. Jeremy and Pat have a small farm where they raise pigs and goats that Wyatt showed for 4-H and FFA. He is also a member of the 4-H Trap Shooting Club.

Jeremy and Pat both work outside of the farm, as well as volunteering with 4-H. Pat is the Harrison County 4-H Advisory Board Treasurer and Jeremy works at Pettijohn Auto Center. Wyatt has gone on to college at Northwest Missouri State University where he is an Ag Education major. He is also the President of the newly formed Northwest Missouri State University Trap Shooters Team.

Leaders Honor Roll



The Leaders Honor Roll Award is presented to members of the community who have gone above and beyond to support MU Extension and to help promote programming. The 2018 award recipient is Cathie Chalfant. (Pictured with Andy Luke, county program director). Cathie is the leader of the newly formed Blue Ribbon Bandits

4-H Club. She saw the need for a club in Gilman City and worked diligently to make it happen. She is a true inspiration to those she leads.

MU Extension at the Northwest Missouri State Fair

The Harrison County Extension Council had a large presence at the 2018 Northwest Missouri State Fair, showcasing resources, programs, and specialists.



The Harrison County Extension Council's booth was located inside the Liberal Arts building alongside the County's 4-H project displays.



Council members were on hand to tell more about Extension and how we help find real solutions to every day problems through research based programs.



The "Eat Smart on the go" food demo truck was available for demonstrations and free tastings, from the "Seasonal and Simple" Cookbook and app. Micah Doty, Nutrition Program Associate, showed participants how to download and use the app.

The Harrison County Extension Office also sponsored a free drawing for a University of Missouri Extension Briefcase filled with goodies. Jim LaRette was the winner.



Safety Education

Partnering with the Harrison County Health Department, Andy Luke and Micah Doty reached out to 127 adults and 164 youth about the importance of being safe around grain bins. They had a "Grain Bin Accident Simulator" to demonstrate how many pounds you had to pull to save an average weight man's life. Multiple businesses and organizations set up booths at the event to teach youth and adults about safety in a variety of areas.



Financial Report

2018 Annual Income Report

Income

Student Fees	\$425.00
County Appropriations	25,000.00
Grants/Contracts	3,630.50
Resale/Education Service Fees	<u>3,189.40</u>
Total Income	\$32,250.69

Federal and state funds provide salaries and benefits for professional staff assigned to the county, expenses for professional development, official mail and cost-sharing on computer technology. The University also provides educational materials and faculty support for extension programs.



We would like to thank Harrison County Commissioners:
Jim Holcomb, Jack Hodge and Rick Smith
for their ongoing support for the
University of Missouri Extension
in Harrison County.

2018 Annual Expense Report

Expenses

Salaries	\$16,149.50
Payroll Expenses	3,452.92
Non Payroll Salaries/YPA	4,628.98
Travel	1,331.17
Postage	239.40
Telephone-Local	488.82
Telephone-Tolls	262.42
Advertising	256.40
Rent/Lease Space	25.00
Rent/Lease Equipment	782.14
Supplies/Services	2,221.44
Council Expenses	145.24
Insurance	178.00
Extension Council Election	109.05
Soil Test Expenses	1,329.00
Publications for Resale	1,407.00
4-H Online Fees	140.00
Fee Generation Distribution	54.00
Total Expenses	\$33,218.48

Net Income **\$-967.79**

Faculty & Staff Serving Harrison County

Harrison County Office

1505 Main

Courthouse Basement

Bethany, MO 64424

660-425-6434

Jackie Spainhower, County Engagement Specialist in Agriculture & Environment

Andy Luke, County Program Director & Field Specialist in Agronomy

Micah Doty, Family Nutrition Education Program Associate

Bart Skroh, 4-H Youth Program Associate

Marcia Evans, Office Manager & Bookkeeper

Also Serving Harrison County

Timothy Baker, Field Specialist in Horticulture
660-663-3232

James Crawford, Field Specialist in Agricultural Engineering
660-744-6231

Penny Crawford, Regional Coordinator Food and Nutrition Education Program (FNP)
816-632-7009

Shawn Deering, Field Specialist in Livestock
660-726-5610

Jill Hathaway, Business Development
816-516-4858

Joe Lear, Regional Director

Becky Simpson, County Engagement Specialist in 4-H Youth Development
660-663-3232

Jessica Trussell, Field Specialist in Human Development
660-646-0811

Sarah Wood, County Engagement Specialist in Nutrition & Health Education
660-726-5610