

Proudly Helping Missourians

Our distinct land grant mission is to improve lives, communities and economies by producing relevant, reliable and responsive educational strategies that enhance access to the resources and research of the University of Missouri.

UNIVERSITY OF MISSOURI
M Extension

**2017 ANNUAL REPORT
for ADAIR COUNTY**



Table of Contents

Letter from extension council	3
Letter from vice chancellor for extension and engagement	4
Extension Council, budget, faculty, staff, commissioners and legislators	5

Programs of Distinction

Missouri Livestock Symposium	6
Family Nutrition Education Program	7
Community 4-H Clubs	8
Nutrition Educators Training	9
Predatory Lending Workshop	9
Master Gardener, Master Gardener training classes	10
Garden n' Grow	11
Commercial horticulture: Missouri Grown	11
Show-Me-Select	12
Beef cattle rations for producers	12
4-H Camp	13
4-H volunteer development	13
Home horticulture and the environment	14
Private pesticide applicator training	15
Hay School, Grazing School	15
4-H and United Way	16
4-H club leader orientation, 4-H school enrichment	17
Annie's Project	18
Health insurance education	18
FFA career development experiences	19
Tax School	19
Agricultural lender's seminar	20
Missouri fence law	20
Strengthening community non-profit organizations: Pantry for Adair County	21
Business counseling and training creates stronger communities	21
Enabling effective local government: Third class county budget trend analysis tool	22
Community economic development: Data for decision makers	22
Making Money County, Taking Care of You	23
4-H Clover Kids Club	24
Continuing education	25
UM System footprint in Adair County	26

December 2017

Dear County Commissioners and Friends of University of Missouri Extension,

MU Extension is the University of Missouri's classroom in Adair County. We connect people to research-based education to enrich the quality of life and enhance the economic well-being of our communities.

MU Extension partners with the Adair County Commission and other local organizations to provide education, information and services that meet people's needs. The elected and appointed members of the Adair County Extension Council provide guidance in identifying those needs to ensure that our educational programs are relevant, reliable and responsive.

Whether it's resources for yourself or your family, farm, business or community, we invite you to explore our website, call or email to learn how we can help you. <http://extension.missouri.edu/adair>.

Thank you for continuing to make University of Missouri Extension relevant and successful in Adair County. This annual report outlines the success MU Extension has had in Adair County during 2017.

We want to extend a special thank you to the Adair County Commission for their continued support of our MU Extension Center. We would also like to thank all of our volunteers, partners and stakeholders who continue to support our efforts in extension.

When you support University of Missouri Extension, Adair County benefits as well as the state of Missouri.

Sincerely,



Katie Wayman
Extension Council Secretary



Sandra Fleak
Extension Council Chair



Michelle Klem, University of Missouri Extension
4-H Youth Development Specialist
County Program Co-Director



Jennifer Schutter, University of Missouri
Extension Horticulture Specialist,
County Program Co-Director

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

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.

December 4, 2017

Dear County Commissioners and Friends of MU Extension:

For much of the past year, MU Extension was focused on a long-overdue assessment of statewide needs and a deep look at how we respond to these needs with programs and resources.

We crisscrossed the state to gather input from 42 community conversations with 1,200 people and reviewed analysis and recommendations from a range of external experts. As a result, MU Extension is working on a variety of changes in the interest of providing better university engagement with your communities.

We are steadfast in our resolve to help local communities and the state meet grand challenges associated with economic opportunity, educational excellence and healthy futures. These challenges reflect what Missourians from every corner of the state told us they were most concerned about.

As you read your county's annual MU Extension report, I believe you will be pleased to see the results that have been accomplished through county-based University of Missouri faculty. These faculty members work in response to input received from local extension councils.

At the state level, local MU Extension efforts really add up. Though we have long known extension funds were leveraged, an independent review revealed that MU Extension created more than \$945 million dollars of public value from the \$80 million it received from federal, state, county, grant and contract partners. A public value ratio exceeding 11:1 even surprised us.

As we go about implementing changes based on the recently completed needs assessment and review of our organization, I am confident that our ability to create value at the local level will be even greater.

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






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

Sincerely,



Marshall Stewart, Ed.D.
Vice Chancellor for Extension and Engagement

ch

Adair County Extension Council	Adair County faculty and staff	Staff serving Adair County, but based in other counties	Adair County Commissioners																														
<p>Sandra Fleak, chair Shelley Story, vice chair Katie Wayman, secretary Colleen Land, treasurer Edna Bunch Drew Daniels Kristy Garcia Sonja Harden Martha Hulet Bob Jackson Brittany Kelsey Adam Moore Jim Novinger Donna O'Brien Stanley Pickens Lois Powell Sheila Pruet Gale Robertson Ed Ross James Snyder</p>	 <p>Michelle Klem 4-H Youth Development Specialist and County Program Co-Director</p>  <p>Jennifer Schutter Horticulture Specialist and County Program Co-Director</p>  <p>Zac Erwin Livestock Specialist</p>  <p>Margo Myers Nutrition and Health Specialist</p> <p>Vanessa Miller Office Manager</p> <p>Christina Morris Part-Time Secretary</p>	<p>Deanna Johnson Family Financial Education Specialist</p> <p>Charles Holland Business Development Specialist</p> <p>Valerie Tate Agronomy Specialist</p> <p>Jeremiah Terrell Human Development Specialist</p> <p>Darla Campbell Agriculture Business Specialist</p> <p>Kent Shannon Natural Resource Engineer</p> <p>Christopher Kempke Community Development Specialist</p> <p>Mary Smyser Food Nutrition Program Coordinator</p> <p>Jill Lane Nutrition Program Assistant</p> <p>Karisha Devlin Interim Regional Director</p> <p>Shari Pretz Regional Office Support</p>	<p>Stanley Pickens Presiding Commissioner</p> <p>Bill King 1st District Commissioner</p> <p>Mark Thompson 2nd District Commissioner</p> <p>State legislators</p> <p>Brian Munzlinger State Senator District 18</p> <p>Nate Walker State Representative District 3</p> <p>Craig Redmon State Representative District 4</p> <p>About us</p> <p>Our location: 503 E. Northtown Road Kirksville, MO</p> <p>Our office hours: 7:30 a.m. to 4:30 p.m. Monday through Friday</p> <p>How to contact us: Phone: 660-665-9866 Fax: 660-665-9876 Email: adairco@missouri.edu Webpage: extension.missouri.edu/adair</p> <p>Find us on </p>																														
<p>2017 Adair County University of Missouri Extension Council operating budget</p> <table border="0"> <tr> <td colspan="2">REVENUES</td> </tr> <tr> <td>County Appropriations</td> <td>\$68,300</td> </tr> <tr> <td colspan="2">EXPENSES</td> </tr> <tr> <td>Personnel Services</td> <td>\$36,258</td> </tr> <tr> <td>Payroll Expenses</td> <td>10,446</td> </tr> <tr> <td>Travel</td> <td>3,591</td> </tr> <tr> <td>Postage</td> <td>175</td> </tr> <tr> <td>Telephone Service/Tolls</td> <td>2,500</td> </tr> <tr> <td>Supplies/Services</td> <td>3,300</td> </tr> <tr> <td>Utilities</td> <td>6,300</td> </tr> <tr> <td>Other Contract Services</td> <td>1,680</td> </tr> <tr> <td>Insurance</td> <td>1,800</td> </tr> <tr> <td>Repairs/Maintenance</td> <td>1,450</td> </tr> <tr> <td>Furniture/Equipment</td> <td><u>800</u></td> </tr> <tr> <td></td> <td>\$68,300</td> </tr> </table>	REVENUES		County Appropriations	\$68,300	EXPENSES		Personnel Services	\$36,258	Payroll Expenses	10,446	Travel	3,591	Postage	175	Telephone Service/Tolls	2,500	Supplies/Services	3,300	Utilities	6,300	Other Contract Services	1,680	Insurance	1,800	Repairs/Maintenance	1,450	Furniture/Equipment	<u>800</u>		\$68,300			
REVENUES																																	
County Appropriations	\$68,300																																
EXPENSES																																	
Personnel Services	\$36,258																																
Payroll Expenses	10,446																																
Travel	3,591																																
Postage	175																																
Telephone Service/Tolls	2,500																																
Supplies/Services	3,300																																
Utilities	6,300																																
Other Contract Services	1,680																																
Insurance	1,800																																
Repairs/Maintenance	1,450																																
Furniture/Equipment	<u>800</u>																																
	\$68,300																																



Missouri Livestock Symposium

Zac Erwin, livestock specialist

missourilivestock.com

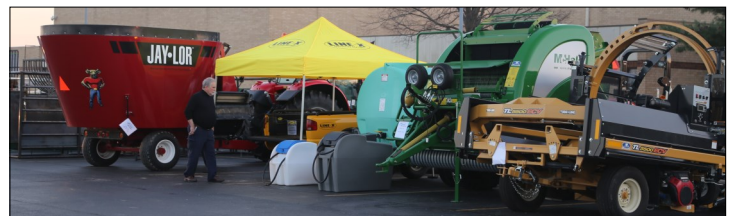
Find us on



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
225 producers	3,425 hours	<p>The Missouri Livestock Symposium is an annual educational program and trade show that attracts participants from throughout Missouri and beyond. It is recognized nationally as an outstanding program targeting agricultural producers and landowners.</p> <p>Curricula includes workshops led by nationally-known speakers in the areas of horses, beef, sheep, stock dogs, meat goats, forages, around the home, small poultry production and farm continuation planning.</p> <p>Comments:</p> <ul style="list-style-type: none"> • “Interesting speakers and able to reach a group that without the Symposium we would not be able to meet.” • “Great event highlighting livestock production and ag.” 	<p>Based on post-session (retrospective) evaluations:</p> <ul style="list-style-type: none"> • 82 percent of participating producers indicated that they had an increased level of understanding on the principles provided in the sections of beef cattle, horse, sheep, meat goats, forages and stock dogs. • On average, 87.5 percent of responding participants indicated they will adopt technologies presented in their respective sessions. 	<p>Public funding helps support the Missouri Livestock Symposium with objectives to provide educational opportunities for livestock producers and landowners representing all species of livestock, forages, and renewable resources and to promote the adoption of best management practices that are economically and environmentally beneficial.</p> <p>The producer benefits from this program by being better able to manage their livestock and their financial resources.</p> <p>Financially successful producers provide a basis for successful communities.</p> <p>Missourians benefit by keeping farm and ranch families in rural communities and improved natural resource stewardship.</p>



We were excited to have University of Missouri President Mun Choi visit the Livestock Symposium this year.

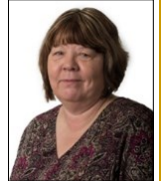




Family Nutrition Education Programs

Jill Lane, nutrition program associate

Joni Halley, nutrition program associate



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>University of Missouri Extension's Family Nutrition Program (FNP) reached 1,626 participants directly and 345 indirectly with nutrition education in Adair County during 2017 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.</p>	<p>6,278 collective workshop hours.</p>	<p>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.</p>	<p>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.</p>	<p>The Family Nutrition Program (FNP) brought \$9,681, 129.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 838,295 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 3,831,270 educational contacts. This year we had 3,064,781 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs, food pantries and the Show Me Nutrition help line. 1,971 of these participants reside in Adair 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.</p>



Success Stories:

- A Wise Woman participant brought a breakfast bar container to our last class. She wanted to show me that she believed the food to be healthy because of the blueberry pictures on the front of the box. However, using the label reading skills she had learned for Eat Smart Be Active she discovered the heaviest ingredient instead is added sugar and not blueberries.
- They are reading and following instructions for the recipe for tropical yogurt parfait. Almost everyone liked and some comments included: "Very easy to make", "I will try this at home" and "There are some good vitamins in this recipe." It was a great hit!



Community 4-H clubs

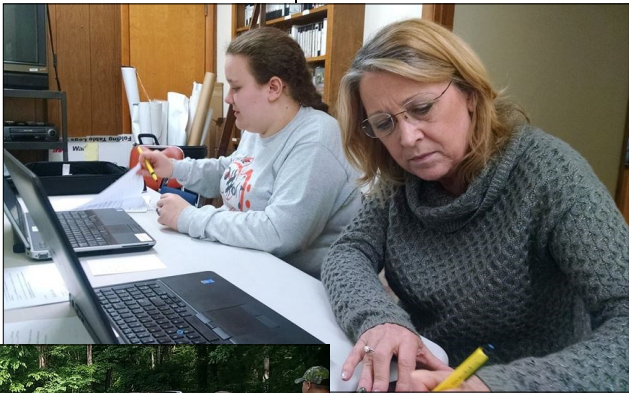
Michelle Klem, 4-H youth development specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>181 youths ages 5 to 18. One of every five Missourians between the ages of 5 and 18 participated in a MU Extension 4-H Youth Development program in 2017.</p>	<p>9,774 hours.</p>	<p>Eleven 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. Members learn by doing under the guidance of adult volunteers, who teach projects ranging from aerospace and arts to veterinary science and sport fishing. Clubs also involve children and teens in community service, camping and educational trips.</p> <p>4-H project work and related educational experiences help youths explore interests in citizenship, communication and leadership.</p> <p>4-H youths report three times more opportunities than their non-4-H peers to engage in meaningful community leadership roles.</p>	<p>4-H youth are equipped with the knowledge, skills, attitudes and health for the 21st century workforce. Missouri 4-H members spend almost nine times more of their leisure time than peers engaged in projects anchored in science. As a result, 4-H members are three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008).</p> <p>Fostering career development is the fact that Missouri 4-H members are connected to college campuses and faculty. MU Extension 4-H connects 8,500 young people to University of Missouri campuses. Being on campus is a predictor of youth going onto higher education (Hoover, 2006).</p>	<p>When you support MU Extension our young people are more likely to attend college. Youths who earn their bachelor's degree, increase annual earnings by \$2 million over their lifetime (NACUBO, 2012). If 70 percent of the Adair County members participating in 4-H events on the MU campus go on to earn their bachelor's degree, 4-H would help young people earn \$16,800,000 more over the course of their life.</p> <p>Missouri 4-H members, however, also learn to use these talents to engage in their communities. Young people in 4-H are engaged in twice as many leadership roles than their non-4-H peers. This provides them with the experience in problem-solving to step up and lead in a complex, changing world. In Adair County 197 or 87.4 percent of 4-H youth were engaged in leadership and service experiences in their communities.</p>



DID YOU KNOW?
The project areas with the highest enrollment in Adair County are:

1. Shooting Sports—65
2. Arts & Crafts—53
3. Photography—40
4. Foods—35
5. Horsemanship—34
6. Swine—33
7. Poultry—33
8. Beef—32
9. Woodworking—30
10. Meat Goats—28





Nutrition Educators Training

Margo Myers, nutrition and health education specialist

Number of Adair County residents served.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
31 participants.	Participants heard from experts on multiple food and physical activity topics including:	The objective of the conference was to increase the level of knowledge of professional educators and individuals that have an interest in health and nutrition in regards to the conference topics.	Adair County residents ranging from youth in schools to the elderly benefit from the nutrition education programs of MU Extension.
Total hours of collective workshop participation in 2017.	<ul style="list-style-type: none"> • How mindfulness impacts stress and eating behavior. • Nutrition literacy: Building capacity with nutrition information. • Re-engineering sedentary work to improve the health of workers. • Safety and benefits of GMO crops. 	This group is primarily responsible for the human nutrition education of thousands of northeast Missouri residents.	Increased awareness and better food decisions improve health and wellness of citizens. Increases in knowledge of food and nutrition has been shown to lower obesity rates and subsequently disease factors related to obesity. Decreasing obesity rates has been the target to lowering health care costs for all citizens.
155 hours.		The knowledge gained is used daily to enhance curriculum delivery in local schools, retirement communities, and income qualifying entities in their respective counties.	
<p>Participant quotes:</p> <p>“Makes me value the importance of my job as a nutrition program associate.”</p> <p>“I will be able to relay nutrition information to clients in terms that they can understand.”</p> <p>“Very informative – I learned a lot!”</p>			

Predatory Lending Workshop

Deanna Johnson, family financial education specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
40 participants.	6 hours.	Participants learned different red flags and warning signs to look for when making a purchase or taking out a loan. They also learned the various different types of predatory lending that exists and what questions to ask to make sure they are getting a good deal.	Participants were given a business card with different questions to ask companies that they are considering doing business with.	MO citizens really benefit from this program. Being aware of predatory lending tactics and being careful with financial choices can help Missourians get out/ stay out of an accumulated cycle of debt that is nearly impossible to keep up with or get out of. The “When Creditors Are Predators” class is a great tool to help Missourians make good financial choices.



Master Gardener

Jennifer Schutter, horticulture specialist



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
26 Master Gardeners.	<p>Adair County Master Gardeners completed 1,023 volunteer hours. Of that, 729.5 were service hours, providing a value of \$17,610 using the 2016 value of \$24.146 per hour from the Independent Sector.</p> <p>Master Gardeners completed 293.5 continuing education hours.</p>	<ul style="list-style-type: none"> • About sensory plants and how to create a sensory garden. • About monarch parasitoids, which kill monarch butterfly larvae. • How native plants help pollinators. • How to identify and prepare native greens. • Varieties of grafted tomatoes plants and why they are more productive than non-grafted plants. • Ornamental grasses for north Missouri landscapes and much more. 	<ul style="list-style-type: none"> • Master Gardeners hosted a Grow Native! workshop in Kirksville on April 1. • Sold milkweed to help create butterfly habitat throughout the county. • Worked with the city of Kirksville to secure funds for flowers and mulch to use in garden beds at Brashear Park and the Veteran's Memorial in Rotary Park. • Master Gardeners worked on several other beautification projects including beds at the Adair County Extension Center, Adair County Public Library and the YMCA. • Master Gardeners assisted with the weekly youth gardening program, Garden n' Grow. • Each month Master Gardeners folded and stuffed the Garden Talk newsletter. • Master Gardeners worked on many other horticulture projects in the county. 	<p>When you support MU Extension's Master Gardener program public awareness of unbiased, research based gardening information is promoted and increased.</p> <p>The Kirksville Area Master Gardeners assist in the community through beautification projects, helping to disseminate research based information, and assisting with various other horticulture projects.</p>



Master Gardener training classes

3 Adair county residents.	108 hours of Master Gardener training classes.	<p>Participants attended a 12-week training class at the Adair County Extension Center, Sept. 14 - Dec. 7. Topics covered: Introduction to MU Extension and the Master Gardener program, plant growth and development, woody ornamentals, herbaceous ornamentals, landscaping, lawn care, vegetables, insects, plant diseases, winterizing the landscape, soils and fertilizers, fruit production and plant propagation.</p>	<p>Master Gardener trainees completed the course and will start volunteering and providing service to their community.</p>	<p>Comments: "Great instruction."</p>
---------------------------	--	--	--	---------------------------------------



Garden 'n Grow

Jennifer Schutter, horticulture specialist



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
11 youths.	346.5 hours.	<p>Youth participants grew vegetables of their choice in garden beds at the Adair County Extension Center. Taught by Horticulture Specialist Jennifer Schutter and Master Gardener volunteers, they learned to properly plant seeds and transplants, mulch and stake their plants, care for their garden, and weed and insect identification and control. They also learned when to harvest vegetables, prepare them for eating, and the importance of donating extra produce to those in need.</p>	<p>Garden n' Grow participants grew their own garden in raised beds. Lessons were included in each class period on a different gardening topic. Information learned in the classroom was applied in the gardening, such as proper mulching and watering techniques, staking, and harvesting. Participants took home the vegetables they grew. Approximately 300 pounds of tomatoes were donated to The Pantry For Adair County and Helping Hands Mission.</p>	<p>When you support MU Extension's Garden n' Grow, youth learn the responsibility of growing and caring for a garden, how to cooperate and work together, how to harvest and prepare vegetables, the importance of healthy eating and the importance of giving to others in need.</p>
		<p><i>The whole group.</i></p>		
		<p><i>Planting their gardens.</i></p>		
<p>COMMENTS: <i>"The program is awesome!"</i> <i>"I learned a lot at Garden n' Grow."</i></p>				




Commercial horticulture: Missouri Grown

Jennifer Schutter, horticulture specialist and Darla Campbell, agribusiness specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>Missouri Grown: Ten producers.</p>	15 hours.	<p>More efficient production and management methods, customer relations and marketing.</p>	<p>Producers grow and sell locally grown berries, fruit, vegetables, herbs, honey and meat at the Kirksville Farmers' Market.</p>	<p>When you support University of Missouri Extension's Missouri Grown program, small scale producers and commercial growers are provided with unbiased and research-based information to make better decisions which will help them be successful with production and selling horticultural products.</p>
<p>Selling Local Foods Workshop, February 24. Four Adair county participants attended.</p>	24 hours.	<p>Participants learned the business of local foods, food safety and regulations, optimizing food storage and handling, displaying your product and proper food sampling.</p>	<p>Adair county producers sell produce, eggs and meat through various marketing outlets such as farmers' markets, farm stands, grocery stores, restaurants, direct sales to consumers and wholesalers. These producers are better able market their products, diagnose plant pests, and apply the best methods of control.</p>	

Show-Me-Select


Zac Erwin, livestock specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
30 producers. 	75 hours. 	<p>The Show-Me-Select program focuses on an increased adoption rate of management practices that offer potential to improve long-term reproductive efficiency of their herds and resulting profitability.</p> <p>Also focusing on increasing marketing opportunities for and adding value to Missouri-raised heifers with the creation of reliable resources of quality replacement heifers in terms of genetics and management.</p>	<p>One beef producer in Adair County is enrolled in the Missouri Show-Me-Select replacement heifer program.</p> <p>Six Adair county beef producers purchased heifers from the sale at Kirkville Livestock, LLC.</p> 	<p>Analyzing data from SMS sales show that Show-Me-Select tagged heifers when compared to those that don't carry the trademarked tag, realize a 164 dollar per head increase in value. Moreover, data from past buyers of Show-Me-Select heifers show a reduction, compared to the national average, in assistance rates and death loss of first calf heifers.</p> <p>Improving profitability of producers helps rural economies stay strong.</p> <p>Financially successful producers provide a basis for successful communities.</p> <p>Missourians benefit by keeping farm and ranch families in rural communities and improved natural resource stewardship.</p>

Find us on 
Show Me Select Bred Heifer Sale:
North Central Missouri

Beef cattle rations for producers

Zac Erwin, livestock specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
40 producers. 	80 hours.	<p>Producers learned how to reduce ration costs with proper diet formulation and supplementation.</p>	<p>By including by-product feeds and doing forage analysis, producers are able to lower their ration costs.</p>	<p>MU Extension's by-product research and education assists beef producers in effectively storing and utilizing co-products as cattle feed. This results in improved producer sustainability and greater local use of co-products. Rural communities benefit from improved profitability of both the livestock and ethanol industries contributing to Missouri's agricultural economic strength.</p>

4-H camp

Michelle Klem, 4-H youth development specialist



Number of Adair County residents served	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
25 Youths.	1,200 hours.	<p>Camp counselors receive 25 hours of training in youth development, positive discipline, emergency management and group dynamics each year, even if they have been camp counselors before. Campers learned to get along with others, be independent, follow a schedule and be on time, along with content that included science, drama, community service, health and fitness, and teamwork.</p>	<p>In a statewide research project, parents were asked what changes they saw in their child as a result of 4-H Camp. Frequently, parents reported their child was more helpful at home, better at working with others, more organized, showed higher self-confidence, better able to follow a schedule, make better choices, and comfort in speaking to and getting to know others.</p>	<p>In several statewide research projects, 4-H Camps, across the state were proven effective in developing life skills in youth; among those being independence, team work, social skills and learning to learn. Both youth campers and parents agreed that 4-H camp was effective in developing these life skills. In addition, a statewide research project confirmed that camp counselors are developing a variety of life skills and making career decisions based on their camp counseling experiences</p>



Left: Michelle Klem, 4-H youth development specialist, trains camp counselors in youth development, positive discipline, emergency management and group dynamics.

4-H volunteer development

Michelle Klem, 4-H youth development specialist



Number of Adair County learners.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
106 volunteers.	106,000 hours.	<p>Adults learn to effectively work with 4-H youths, how to keep themselves and others safe while volunteering.</p> <p>In addition, they also learn many of the same project skills as youth.</p>	<p>Missouri 4-H volunteers responding to a survey report they contribute on average 100 hours per year.</p>	<p>When you support MU Extension, Adair county 4-H participants experience the positive mentoring of 106 volunteers annually.</p> <p>Valuing their time at \$21 per hour, based on average Missouri incomes, the contribution of Adair County 4-H volunteers was worth more than \$235,000 in 2017! More importantly, these adults serve as mentors for our youth helping them transition into healthy adulthood: priceless.</p>



Home horticulture and the environment

Jennifer Schutter, horticulture specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
6 visually impaired persons attended two garden programs in 2017.	18 hours.	Using the senses (touch, taste, smell) participants identified fresh flowers and produce. They also sampled different types of tomatoes, fruits, and juice.	One visually impaired person grows his own garden. Participants learned how to identify garden produce using their senses. They learned ways to prepare and eat fresh produce.	By supporting MU Extension's Home Horticulture program, citizens receive high quality horticultural information that is unbiased and research-based.
32 Adair county residents attended a Grow Native! workshop held April 1 in Kirksville.	192 hours.	Participants learned about native plant selection, attracting bees and beneficials to the landscape, how to landscape with natives, establishing native habitat on small acreages, and culture and maintenance of native plants.	Participants indicated they were going to purchase and plant native plants in their landscapes or on their farm to attract more beneficial insects.	
				
800+ home gardeners and home owners.	100 hours of research and answering questions throughout the year.	Adair county residents received a positive identification of weeds, ornamental plants, insects, plant diseases and disorders throughout the year. When requested, they receive information to make better gardening decisions.	Correctly having a plant or pest identified allows home gardeners to make better choices about pest control. Soil testing allows home gardeners to properly amend their soil before planting fruit and vegetables or fertilizing their lawn. Information on plant selection allows homeowners to make better choices selecting trees, shrubs and flowers for their landscape.	
202 Adair county residents receive the Garden Talk horticulture newsletter each month.		The Garden Talk newsletters provides timely horticulture information. Master Gardener volunteers fold and stuff the newsletter each month.	Information learned in the newsletter allows gardeners to make better decisions about plant selection, pest control and production methods.	



Private pesticide applicator training

Valerie Tate, agronomy specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
36 producers.	72 hours.	Participants learned to safely handle and apply pesticides. Participants also learned to minimize negative environmental impacts of pesticide applications to protect water quality and wildlife habitat.	Producers obtained their Private Pesticide Applicator license which allows them purchase restricted use pesticides.	This program provides producers of agricultural commodities with the knowledge and skills necessary to apply pesticides in a way that is safe for them and the environment while remaining competitive by having the option of using EPA restricted crop protection technologies.

Hay School

Zac Erwin, livestock specialist and Valerie Tate, agronomy specialist

18 producers total. 3 from Adair County.	21 hours.	This course covered all aspects of hay and balage production. It is specifically designed for livestock and horse producers who may already have their own hay equipment or have hay custom harvested on their land.	Participants were encouraged to evaluate their own operation to determine if harvesting hay on their property is the most cost effective means of feeding livestock.	Hay can often be purchased for less than the cost of producing hay, but often hay quality is poor. Participants are better able to evaluate hay quality versus hay cost and make informed decisions about hay production.
---	-----------	--	--	---



Grazing School

Zac Erwin, livestock specialist and Karisha Devlin, agribusiness specialist

4 producers.	48 hours.	This one and a half day program focused on all aspects of management intensive grazing, from how forages grow to how to estimate forage availability to meeting livestock nutritional requirements on pasture.	Participants were encouraged to evaluate their own operation to determine how improving grazing management can improve forage quality, yield and seasonal availability.	Providing higher quality pasture, over more days of the year can significantly improve grazing livestock profitability.
--------------	-----------	--	---	---

4-H and United Way partnership

Michelle Klem, 4-H youth development specialist



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
181 youths.	12,308 hours.	<p>United Way Board of Directors learn much about the current 4-H program. These individuals are typically influential in the community, and can help educate others.</p> <p>Through United Way support, 4-H families learn that our community cares about them, and that 4-H is removing barriers to participation by providing dues waivers and reimbursement scholarships for 4-H families who meet the free lunch income guidelines.</p> <p>The 4-H Clover Kids program for youths 5 to 7-years-old is an entry program into 4-H. Through United Way support, the program costs are vastly reduced to encourage families to enroll.</p>	<p>One United Way board member, who is a banker, encouraged Adair County 4-H to apply for grant funding through their bank, which was approved, and will be used to offset expenses for transportation and meals for 4-H camp.</p> <p>4-H families are able to join 4-H, and reap the benefits, regardless of their ability to pay.</p> <p>Recognition, in the form of conferences, workshop and camp scholarships, are provided through United Way funding. Members submit a record of their learning experiences in 4-H. Scholarships are awarded to those members whose records merit the award. The scholarships range from \$75 to \$500. Through writing this record, youth increase their writing skills, reflect on their experiences, and are more motivated to succeed.</p>	<p>When you support MU Extension, you are providing youth with positive youth development experiences that they may not otherwise be able to.</p> <p>When 4-H members participate to the fullest in 4-H, they grow and develop beyond their peers. In a longitudinal study conducted by the Institute for Positive Youth Development at Tufts University, the report found that 4-H participants had better grades, were more behaviorally and emotionally engaged with school, and were more likely to see themselves going to college. Specifically, the respective odds that 4-H youth have “B and above” grades, have high academic competence, and expect to go to college are 2.68 times higher than for comparison youth.</p> <p>4-H youths are more civically active and make more community and civic contributions than do youth participants in other out-of-school-time activities.</p> <p>4-H youths were 1.1 times more likely to be in the lowest trajectories for both depressive symptoms and risk/delinquent behaviors.</p>



Below: Recognition is an important part of positive youth development.



Club leader orientation

Michelle Klem, 4-H youth development specialist



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
17 adults.	45 hours.	<ul style="list-style-type: none"> • Effective mentoring. • Support for club programming. • Missouri 4-H policies and best practices. • Risk management strategies. • Available resources and where to find them. 	<p>Club leaders are better able to strike a delicate balance between management and support of youth leaders.</p> <p>Volunteers plan and manage safer events when following risk management strategies.</p> <p>Volunteers effectively carry out the mission and policies of Missouri 4-H.</p>	<p>When you support MU Extension, you enable 4-H mentors to better provide the environments and culture shown by the research to have the following outcomes:</p> <p>In general, 4-H youths appear to have higher levels of the developmental assets that the 4-H Study has found most important in promoting Positive Youth Development (PYD): relationship with others, and in particular, caring, competent, and committed adults, such as parents, teachers, and mentors.</p> <p>In Grade 11, 4-H youths reported they had more mentors than did comparison youth (Lerner, 2009); and research shows that youths with more support systems develop increased elements of positive youth development compared with youths lacking in connections with caring adults.</p>



4-H school enrichment




Michelle Klem, 4-H youth development specialist



Number of Adair County residents served.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
300 children.	<p>Classroom teachers report that students now know that chicks hatch from eggs and eggs that are not hatched do NOT become chickens.</p> <p>Students are aware that it takes 21 days for a chick to develop.</p> <p>Students understand how to candle an egg and how to use an incubator and what it is used for.</p> <p>Students also learned the life cycle of a chicken as compared to other living creatures.</p>	<p>Students became adept at observing and journaling about what they saw.</p> <p>Students also improved non-fiction reading skills to learn more about chicks.</p> <p>Students also became more responsible as they cared for the eggs and chicks.</p> <p>Students were more responsible and quieter in the classroom when they were raising chicks.</p> <p>Students also advised guests to the classroom about being quiet and washing hands after handling eggs or chicks.</p>	<p>When you support MU Extension, students learn to practice skills such as decision-making, getting along with others, self-responsibility, planning and organizing, and improving their knowledge of general science and technology place students on a path towards successful careers. Interest in science is a predictor for youth to choose science-related careers, future scientists are critical to our county, state, national and global economy.</p> <p>4-H science programs reach more than five million youth with hands-on learning experiences; these experiences will address our nation's critical challenge of developing a long-term solution for improving science literacy and aptitude.</p> <p>As a result, 4-H participants are three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008).</p>
<p>Total hours of collective workshop participation in 2017.</p> <p>3,000 hours.</p>			





Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
10 total participants; 3 from Adair County.   	180 hours.	Producers learned current information to help them make better management decisions during tough economic times and influence policy change. Topics covered include: <ul style="list-style-type: none"> • Risk management. • Record keeping software • Ownership of property • Insurance • Financial statements. • Spreadsheets. • Writing a business plan • Estate planning. • Leases • Marketing. • Communication issues. • Personality traits. 	As a result of participation in Annie's Project: <ul style="list-style-type: none"> • 63% increase in reviewing farm financial records. • 38% increase in who checked or changed how their property is titled. • 37% increase in the use of new skills to improve communication. • 37% increase in identifying goals for family and farm. • 25% increase in preparing and analyzing balance sheets. • 13% increase in who reviewed or analyzed insurance policies. • An increase of 12% had added POD/TOD on titles/accounts. • After the class, 63% of respondents said they would develop a marketing plan. None had before the class. 	Producer concerns were heard from around the state and information was compiled by MU Extension and the Missouri Department of Agriculture. This information was then shared further with the United States Department of Agriculture. By networking and collaborating in this manner, more policy change will be influenced for livestock and crop producers.

Health Insurance Education

Darla Campbell, agribusiness specialist

Number of Adair County residents served	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
11 participants.	5 hours.	<ol style="list-style-type: none"> 1. About the Missouri Marketplace. 2. Their health insurance coverage options. 3. Financial assistance available. 4. Enrollment resources. 	Attendees gathered resources required to apply to the marketplace, set up appointments with navigators or certified application counselors to go through the marketplace, and compared insurance plans via the marketplace.	By participating in University of Missouri's Health Insurance Education Initiative. Missourians will be able to clearly understand their health care options, get health insurance coverage, utilize premium tax credits, avoid penalties, and comply with the law.

FFA career development experiences

Darla Campbell, agribusiness specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>29 youth and 2 adult instructors.</p> <p>A total of 185 youth and 17 vocational agriculture instructors participate with assistance from 37 community partners.</p>	248 hours.	<p>Participants partook in Career Development Experiences (CDE) in the following areas:</p> <ul style="list-style-type: none"> • Farm business management. • Meats. • Equine. • Livestock. • Poultry. • Dairy Cattle. • Dairy Foods. • Forestry. 	<p>This event prepares youth for District and State contests, as well as real life careers.</p> <p>It also meets DESE testing requirements for seniors who have been in a specific area of vocational agriculture for three or more years.</p>	<p>Youth engaged in Career Development Experiences are better prepared to compete at the district, state, and national level. Longer term, they are more involved and informed producers, consumers, employees and business owners.</p> <p>Vocational Agriculture instructors are able to use what they learned to teach future students and FFA teams.</p> <p>Some of these youth will pursue careers in agriculture, but all will have gained marketable skills. Youth will have more confidence in their supervised agricultural experience (SAE) project as they learn applicable life skills that will help them be better prepared to enter college and the workforce.</p>


Tax school

Darla Campbell, agribusiness specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>2 participants.</p> <p>A total of 382 tax preparers and attorneys from 93 Missouri counties, plus Illinois, Kansas and Tennessee attended tax schools.</p>	16 hours.	<p>Tax school topics included: New tax legislation, rulings and cases, individual taxpayer issues, affordable care act, IRS rules and regulations, business issues, retirement issues, cybersecurity, ethics and agricultural topics.</p> <ul style="list-style-type: none"> • 96% were knowledgeable about tax provisions and how they affected their clients. • 97% were prepared to assist clients by understanding loss limitations. • 95% are prepared to help clients reach their business/personal financial goals. <p>Participants received the National Income Tax Workbook 2017 published by the Land Grant University Tax Education Foundation, Inc.</p>	<p>Tax preparers will help clients use the information to follow the rules and help their businesses.</p> <ul style="list-style-type: none"> • 96% will help clients reduce their tax liability by understanding new cases. • 96% plan to modify/ make changes (ex. confidentiality) by understanding ethics better. <p>Tax preparers will adopt practices to make sure client data is kept safe and confidential.</p>	<p>The participants attending tax schools prepared more than 37,000 tax returns of Missouri businesses and individuals.</p> <p>As the preparers gain more knowledge they will help their clients by understanding consequences of decisions, new rules and regulations and reduce tax liability, which gives them more dollars to spend in local communities.</p>

Agricultural Lenders' Seminar

Darla Campbell, Karisha Devlin, Joe Koenen, Mary Sobba, agribusiness specialists

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
<p>5 participants. A total of 91 lenders attended from 24 Missouri counties, plus Illinois, at the Kirksville, Hannibal, and Mexico locations.</p> 	27.5 hours.	<p>Topics for the seminars held at Kirksville, Hannibal and Mexico were:</p> <ul style="list-style-type: none"> • Macroeconomics. • Land values and rental rates. • Crop and livestock outlook. • Update on taxes. • Marketing opportunities. • Affordable Care Act. <p>Lenders received the 2018 Missouri Farm Financial Outlook book, which included budgets for all major crop and livestock enterprises in the state.</p>	<p>Lenders will help their agricultural customers use the information and tools obtained at the seminars. Specific tools/actions include using: Budgets; Crop & Livestock Outlook; Rental Rates and Land Values; Tax and Health Insurance information under the Affordable Care Act, and Marketing tools.</p>	<p>The lenders in attendance manage 5,515 loans totaling \$1,523,160,000 (response from 70 of the 91 lenders).</p> <p>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 and cash flow affecting families' and businesses' financial health. This is especially important with the downturn in the agricultural economy as both crop and livestock producers expect lower incomes, continued high input costs, challenging marketing decisions, and uncertainty with the upcoming Farm Bill.</p>

Missouri Fence Law

Joe Koenen, agribusiness specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
2 participants.	6 hours.	<p>Participants learned there are two different fence laws in Missouri and what county has which law. They also learned:</p> <ul style="list-style-type: none"> • What each law requires the landowner to do fence-wise. • Which portion of a boundary fence each landowner must maintain. • Where to find additional resources and assistance on the fence law in their county. 	<ul style="list-style-type: none"> • 86% of participants would recommend this program to others. • 90% know now there is more than 1 fence law in Missouri. • 85% know what fence law is in place where their land is located. • 84% know their responsibilities under the fence law. • 83% know where to go to find additional information and help. 	<p>Knowing which fence law is in effect in your county and following that law helps lower conflicts between landowners. This in turn reduces litigation costs. Figuring an average of \$150 per hour for an attorney, this program can potentially save Missouri landowners \$47,250 in legal fees.</p> <p>This helps Missouri livestock producers to be more profitable due to lower fencing costs of their own in addition to less legal time and</p>



Strengthening community non-profit organizations Pantry for Adair County

Chris Kempke, community development specialist

Number of Adair County residents served.	Total hours of collective Workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
8 participants.	33 hours.	Participants were advised on the process to establishing a fundraising campaign. They were given instruction on forming fundraising literature, who to target with a fundraising campaign, campaign ask amounts, and more. Participants were also advised on grant applications submitted to potential funders.	PAC fundraising committee has launched a well-planned fundraising plan to assist in opening their new permanent facility in Kirksville. PAC members have applied for and received a large number of grants, which helped them make significant upgrades to their facility necessary to open it as a food pantry.	Food security is a major issue in Adair County. Assisting PAC with their fundraising efforts means they be able to increase their food distribution levels to Adair County residence. The weight of food needs, according to the Food Bank estimates and poverty indices for the food insecure in Adair County is 1.33 million pounds. The PAC is one of 5 Adair County sites operating as Food Bank agents. Total annual distribution of these agents approaches 540,000 pounds, less than half the total need. PAC intends to close the remaining gap of 790,000 pounds for Adair County.



Business counseling and training create stronger communities

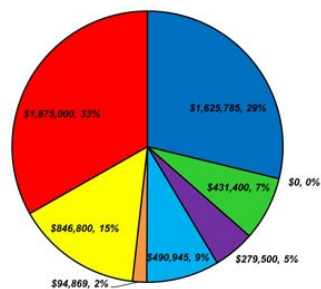
Charles Holland, business development specialist

Number of Adair County residents served.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
52 clients/companies receiving business counseling. 21 training attendees.	Business Development Program Specialist and business counselors with MU Extension, Missouri Small Business & Technology Development Centers (MO SBTDC), counsel people and their companies with start-up and management counseling, training and other assistance.	\$43,310 sales increase. 3 business starts. 4 jobs created. 10 jobs retained. Acquired assets \$425,000. Loans and capitalization \$563,496.	As Entrepreneur's and innovators, Missouri's small businesses are becoming a more diverse group that continues to make the state's economy productive. There are approximately 500,000 small businesses in Missouri. Nearly 98 percent of all businesses with employees are categorized as small businesses. In assisting owners and managers of those businesses, MU Extension contributes to a county's economic development through growth in jobs, sales, innovation, technology development and commercialization. Training and business counseling result in businesses making better financial and management decisions leading to stronger businesses and a stable business community. Procurement Technical Assistance Center assists businesses including small, disadvantaged and women owned firms in obtaining federal, state and local government contracts. MO PTAC specialists have years of experience helping identifying opportunities and understanding the contracting process so small businesses can take advantage of government sales dollars.

Enabling effective local government—third class county budget trend analysis tool

Chris Kempke, community development specialist

Number of Adair County residents served.	Total hours of collective Workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
4 participants.	7 hours.	Participants learned how to use the Third Class County Budget Trend Analysis Tool to analyze long-term budget trends and trajectories of factors such as tax revenues, county expenditures, and budget allocations. Participants also learned how the tool could be used to evaluate other counties similar to theirs. Additionally, participants were instructed on how to use the Tool to analyze the effects of policy change and historical events.	Participants (Commissioners and County Clerks) now have an easy to use tool to help them plan their future county budgets.	The Third Class County Budget Trend Analysis Tool provides county officials with knowledge they can use for more effective county budget creation. They can make more informed budget decisions, as well as have a better understanding of the effects policy changes and fluctuations in the economy have on the county's bottom line. When counties have to tools to create more financial sustainability, it positively affects all aspects of Missourians' lives.



Community economic development—data for decision makers

Chris Kempke, community development specialist

Number of Adair County residents served.	Total hours of collective Workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
3 participants.	7 hours.	Participants were presented a demographic and economic profile of the county. In the form of maps, graphs and charts, participants learned their county's population change, age, vital statistics, migration patterns, educational attainment, Household makeup, and community housing stock makeup. Participants were also given instruction on how different policies and current events would affect a county with their economic profile.	Elected officials and community leaders involved in the workshop will use what they learned to make more informed policy decisions, whether it's within the government, non-profit, or private sectors.	When elected officials and local leaders use data to make more informed policy decisions the result is better outcomes for the whole community. More informed decision making at the local level creates positive impacts beyond a single community. Collectively, the positive outcomes from informed decision making over time and from many different communities improves the economy and quality of life throughout the state.

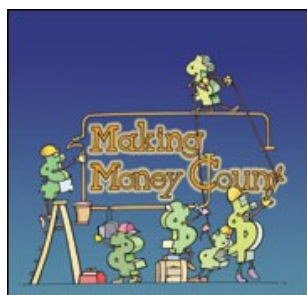




Making Money Count

Deanna Johnson, family financial education specialist

Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
40 participants.	80 hours.	Participants learned how to incorporate budgeting into their spending plan, cut back on discretionary spending, set financial goals, track their spending and see if they are staying on track with their goals and their spending plan worksheet.	Evaluations from the workshops show that participants in the program: <ul style="list-style-type: none"> • Gained a better understanding of the steps to making an effective decision. • Started to acknowledge their values when planning financial goals. • Continued to track their spending. • Reduce impulsive spending habits. • Created an effective spending plan. 	When you support MU Extension's Making Money County program, participants learn to track their spending, which leads to increased success in reaching family financial goals. This can benefit other community members by reducing the amount of time financially distressed workers spend focusing on financial issues at work, and can ultimately help strengthen family relationships.



Taking Care of You

body · mind · spirit

Jeremiah Terrell, M.Ed., human development specialist

Number of Adair County residents served.	Program Description	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
5 participants.	Taking Care of You is a multi-session program offering practical strategies and experiences to help deal with the stress in your life. Managing life's challenges in a healthy way allows you to take better care of yourself and your	Activities of the program are aimed at increasing mindfulness, positive emotions, optimism, resiliency to stress, coping skills, and self care of one's mind, body and spirit.	A rigorous program evaluation showed decreased stress levels and improved lifestyle behaviors. As a result of the program, participants: <ul style="list-style-type: none"> • Cultivate positive emotions and resiliency to stress. • Discover opportunities in life's challenges. • Develop improved responses to stress in terms of their thoughts, emotions and behaviors. • Take better care of one's health — body, mind and spirit. 	When stress is not properly managed, it can cause serious health effects including increased blood pressure, suppressed immune system, greater risk of heart attacks and strokes and an increased chance of experiencing some form of mental or emotional health issues.

4-H Clover Kids clubs

Michelle Klem, 4-H youth development specialist



Number of Adair County residents served.	Total hours of collective workshop participation in 2017.	What did they learn?	What action did they take?	How does this work make Adair County and Missouri better?
15 youths.	255 hours.	Younger children also have opportunities to participate in 4-H through the Clover Kids program. The program is designed specifically for youths 5 to 7. It is developmentally appropriate, non-competitive, focuses on cooperation and introduces youth to a wide variety of 4-H projects that they may learn more about throughout their years in 4-H.	Participants are better prepared to enter into the 4-H Club program at eight years of age. They can lead pledges, participate in community service and are in a better position to make choices on what projects they want to pursue.	When you support MU Extension, Adair County youth are enriched at a younger age, giving them an extra three years of positive youth development experiences, laying the groundwork for these young people to be better prepared for a productive future, a commitment to help others in the community, and to be community leaders as adults.



Continuing education

Information provided by the University of Missouri

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 professionals and enhancing the standard of health care to improve the health of the people of Missouri and beyond through health education, wellness promotion and health care quality improvement/performance improvement initiatives. Additionally, CME/PLL facilitates and manages health care quality improvement projects for the University of Missouri Health Care system and the MU School of Medicine Springfield clinical campus. In FY 2017, CME/PLL offered 1,879 noncredit programs, courses and educational activities with 31,779 participants. Eight of those were from Adair County. <http://medicine.missouri.edu/cme/about>

Fire and Rescue Training Institute (MU FRTI)

MU Extension's Fire and Rescue Training Institute (MU FRTI) provides 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 citizens they serve. Courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation, as well as fires. In FY2017, MU FRTI trained firefighters representing all 114 Missouri counties for a total enrollment of 13,828 fire and emergency responders. Forty-five from Adair County participated. Student enrollment numbers rose by 6 percent in FY 2017 as compared to the previous fiscal year. MU FRTI served 1,360 fire departments, organizations or agencies in FY 2017. <http://www.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. For more than 60 years, the institute has been the state's leader in providing vital training and education services to Missouri's 17,000 in-service personnel and police recruits annually. Working with national, state and local agencies from 31 states, LETI provided basic and advanced animal cruelty investigations training. LETI also conducted 17 armed intruder/personal safety presentations to extension personnel and council members. LETI led several presentations to civic organizations, churches and businesses throughout the state on a variety of topics, including personal safety and armed intruder response. Eleven from Adair county participated. <http://leti.missouri.edu>

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. In FY 2017, 12,215 Missourians registered to attend MU Extension conferences for teacher education in math, science and writing; crop management, and agricultural lending, as well as statewide youth leadership programs.— FCCLA and 4-H. Ninety from Adair County participated. <http://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. In FY 2017, Nursing Outreach helped 2,094 health care professionals participate in its programs and reached another 881 nurses through co-sponsored multidisciplinary programs. Fourteen were from Adair County. 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 92 percent of Nursing Outreach's Missouri participants reside outside the metropolitan St. Louis and Kansas City areas. <http://nursingoutreach.missouri.edu>

Veterinary Medical Extension and Continuing Education (VMECE)

Veterinary Medical Extension and Continuing Education (VMECE) focuses on issues that have widespread impact on Missouri veterinarians and livestock owners. Factors such as disease risks, rising input costs and increasing regulations all impact the livelihood of farming operations. The primary goal of VMECE is to provide up-to-date information and consultation to veterinarians and livestock owners so they are better prepared to address these challenges. For FY2017, VMECE provided continuing education for veterinarians seeking continuing education credit to renew their veterinary licenses. Team members also presented information about production-related topics or animal disease at more than 70 meetings across the state. <http://cvm.missouri.edu/continuing-education.htm>

Missouri Training Institute (MTI)

The Missouri Training Institute provides continuing education, custom-designed training programs and consulting services for business and industry, public and non-profit organizations and educational institutions. Training programs include subjects such as human resource management, supervision, management, leadership, team building and other business-related topics. The institute's consulting services include curriculum design, human resources, strategic planning, board development and facilitating meetings and retreats. In FY 2017, 11,997 people enrolled in the institute's 421 programs; 21 were from Adair County. <http://mti.missouri.edu>



UM System Footprint in the County in 2017



County population:
25,560

Students

86 County students

- 50 Undergraduates
- 36 Graduates
- 71 Full-time students
- 15 Part-time students
- 16 Pell grant recipients (aid year '17)

Employees and retirees

40 people employed by UM

- 26 Campus
- 14 UM Health Care

6 UM retirees and beneficiaries

UM salary and retirement income:
\$1,351,297

UM state tax revenue: \$49,787

UM federal tax revenue: \$231,064

Alumni

Selected school alumni

- 9 - Medicine
- 38 - Nursing
- 22 - Health Professions
- 20 - Dentistry
- 13 - Pharmacy
- 1 - Optometry
- 6 - Veterinary Medicine
- 52 - Agriculture
- 38 - Engineering
- 36 - Law

Alumni teaching K-12

- 17 teachers
- 7% of all county teachers
- 1 principal or administrator
- 8% of all county principals and administrators

Breakdown by campus

MU

- 52 students
- 388 alumni
- 26 employees

UMKC

- 9 students
- 66 alumni
- 0 employees

Missouri S&T

- 18 students
- 27 alumni
- 0 employees

UMSL

- 7 students
- 37 alumni
- 0 employees

Services provided

Health care

- 2,341 patients seen at UM Health Care, with \$536,185 of uncompensated care
- 2 patients seen at the UMSL Center for Eye Care with an average of \$52 per patient in uncompensated care
- 2 patients seen at the UMKC School of Dentistry with an average of \$54 per patient in uncompensated care

Extension

- 15,447 total educational contacts from MU Extension to residents of county, including:
 - 4,239 contacts related to productive farming, better gardening, and managing natural resources
 - 10,688 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
 - 520 contacts related to starting businesses, developing community leaders, or renewing the local economy



For every dollar invested in University of Missouri Extension **\$11 of public value is returned**, generating **\$945 million** in direct and economic benefit to Missouri in 2016.

UNIVERSITY OF MISSOURI
U Extension
Live. And Learn.

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 2017, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • Office of Social and Economic Data Analysis (OSED) 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

