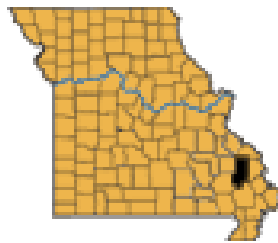




Bollinger County

2017 ANNUAL REPORT



UNIVERSITY OF MISSOURI
 Extension

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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

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A Message from the Council

Dear Friends of Extension:

The University of Missouri Extension Council would like to thank the Bollinger County Commission for supporting extension programs during this past year. We are pleased to present this 2017 Annual Report to give you a brief overview of the programs and educational information that was provided for the citizens of Bollinger County.

In 2017, Missourians all over the state turned to the University of Missouri Extension to help solve problems, gain information, and receive educational programming. As a statewide effort we strive to provide research-based information and educational programs to individuals, families, farmers and businesses. Programs in agriculture and natural resources, 4-H youth development, health and nutrition, business, community development and continuing education have improved their quality of life.

The success of University of Missouri Extension in Bollinger County depends upon the dedication and support of members of the Extension Council.

The Extension Council appreciates the continued support from the county commission, individual volunteers, groups, organizations, business and county citizens. We look forward to the planning, programming and development for the years ahead.

If you would like more information or if we can assist you, please contact the Bollinger County University of Missouri Extension Center.

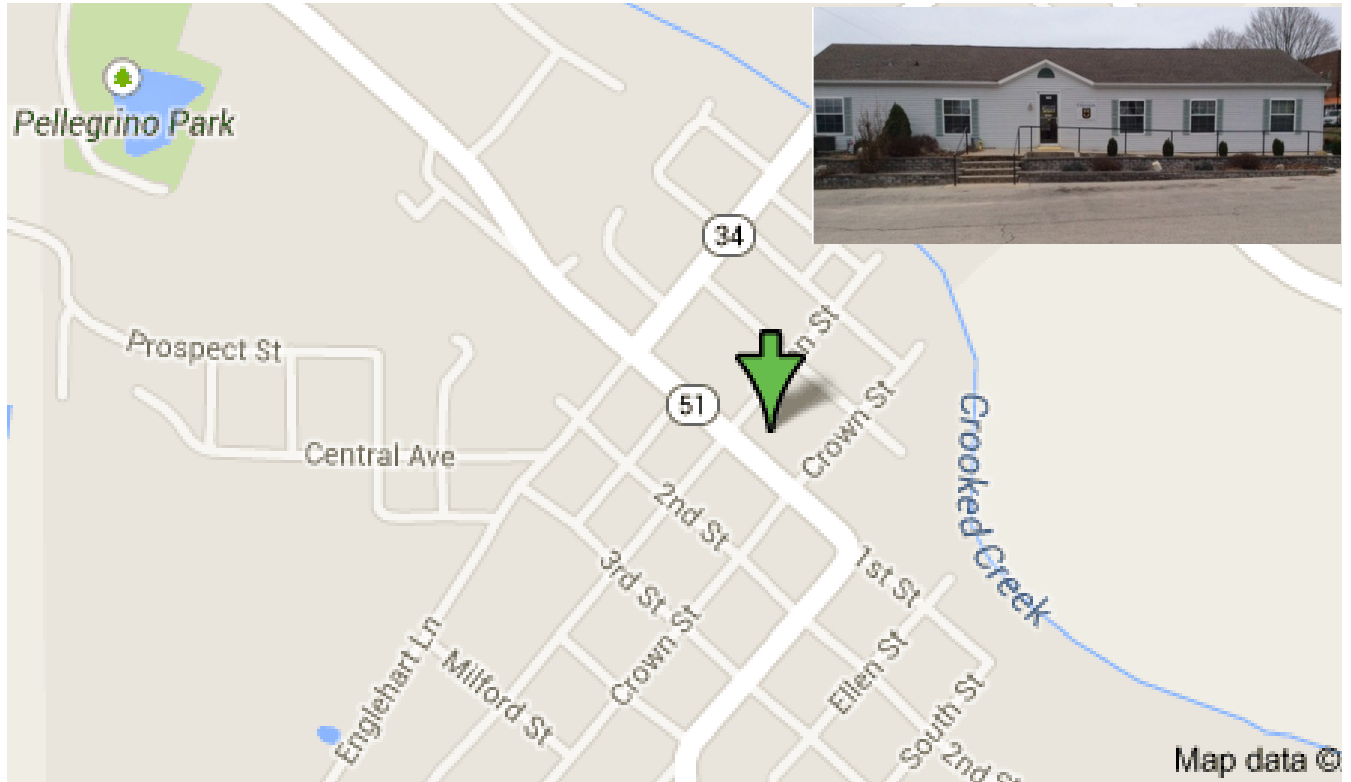
Karla Kiefer

Karla Kiefer
Bollinger County Extension
Council Chair

Donna Aufdenberg

Donna Aufdenberg
Bollinger County Program Director

Bollinger County's University Extension



Bollinger County Extension Center is located at:

302 Union Street
Marble Hill MO 63764
Tel: (573) 238-2420

Office hours:

Monday-Friday
8 a.m. to 4 p.m.

Email: bollingerco@missouri.edu

Website: www.extension.missouri.edu/bollinger

Bollinger County Staff

Staff Based in Bollinger County



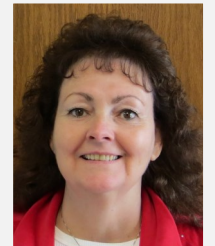
DONNA AUFDENBERG
County Program Director
Horticulture Specialist



VICKIE SEILER
Nutrition Program
Assistant



WILLIE SAPUTO
4-H Youth Program
Assistant



SUE FISHER
Office Manager

Additional Staff Serving Bollinger County

Bethany Bachmann, Nutrition Specialist
Ashley Bales, Family Financial Education Specialist
Rebecca Blocker, Housing and Environmental Design Specialist
DeNae Gitonga, Community Development Specialist
Janet Kline, Regional Director
Erin Larimore, Livestock Specialist
Linda Morgan, Regional Coordinator FNP
Anthony Ohmes, Agronomy Specialist
Richard Proffer, Business and Industry Specialist
Frank Wideman, Natural Resource Engineer Specialist
Kristi Baker, 4-H Specialist

Council Activities



Extension Council Members

Karla Kiefer, Chair

Barb Bailey, Vice-Chair

Dana Mayfield, Secretary

Micah Bristow, Treasurer

Ronda Elfrink

Travis Elfrink (Commissioner)

Kyla Estes (Farm Bureau)

Sharon Hopkins (Appointed Business)

Debbie Lincoln

Diana Nack

Peggy Mouser

Jennifer Proctor

Brigitte Thiele



Youth on Extension Council

Tate Kiefer and Raylee Leimer

Council Activities



Bollinger County 4-H

4-H Youth
Program Assistant
Willie Saputo



Another 4-H year of fun, fellowship,
learning and accomplishment for
families in Bollinger County.



Trips to fun places, Obstacle Courses, Rock
Painting, Livestock Showing, Fishing, Drone
Camp, Cardinals Game, , Fairs, Summer Camps,
4-H Congress, Teen Conference, Robotics and
MORE!!!



Bollinger County 4-H

Missouri Youth Catch the Wave of Leadership at Teen Conference

COLUMBIA, Mo. – Bollinger County 4-H'ers discovered last weekend that energy abounds when 366 people gather to help 11-13 year olds build leadership skills. Attending the two-day Teen Conference with chaperone Kendra Shell, were Emmett Lape, Canyon and Rylee Leimer and Brookelynn Shell, members of the Crooked Creek 4-H Club and Connor Lincoln and Eva Saputo from the Leopold 4-H Club. These young delegates joined 287 youth from 66 other counties to build leadership, gain new skills, and learn ways they can help their community.

Leadership skills are a solid foundation for success, even for careers that haven't been invented yet," said Bradd Anderson, State 4-H Youth Development Specialist for MU Extension who coordinates the event.

"Teen Conference brings the thrill of independence in a safe, warm, and inclusive atmosphere, and there's a confidence that comes from that."

Teen Conference is planned each year by the State 4-H Council, a group of 38 older teens who serve as ambassadors for the organization and play leadership roles throughout the event. "4-H offers young people a positive life trajectory that includes role models, citizenship, and lifelong learning," said Willie Saputo, Bollinger County's 4-H Youth Program Assistant. "As Teen Conference delegates see these positive older teens in active leadership roles, they realize that they can be leaders too." "With leaders like the ones in Missouri 4-H, the future is most definitely bright."

Left to right: Kendra Shell, Emmett Lape, Connor Lincoln, Eva Saputo, Raylee Leimer, Brookelynn Shell and Canyon Leimer.



Bollinger County 4-H



This group of 4-H members from Bollinger County clubs attended the annual Heartland 4-H Camp



Community service, Cheerful Workers style, Sedgewickville.



Livestock project members at SQMA session



Gathering at the annual Southeast Regional Energizer.



 is AMAZING!

Bollinger County 4-H

TEENS GATHER ON MU CAMPUS FOR 72nd STATE 4-H CONGRESS

Teens from across Missouri gathered on the University of Missouri campus May 31 through June 2 for the 72nd annual State 4-H Congress. In all, 240 teens ages 14-18 participated in a variety of hands-on workshops that fit their interests. Choices included topics such as interview skills, electricity, leadership studies, dance, nutrition, laughter and dance.

“Youth in 4-H get to explore a wide variety of skills and interests,” said Willie Saputo, Bollinger County 4-H Youth Program Assistant. “State 4-H Congress is a place where teens can belong, become better leaders, and explore careers as they enjoy life on a university campus.” Delegates also worked to set priorities for the 36 peers they elected to represent their regions on Missouri’s State 4-H Council for the coming year, outlining youth-identified goals for the next 3-5 years. The State 4-H Council represents their voice at the state level, working as ambassadors of 4-H and representatives of the youth in their regions.

Missouri 4-H is a program of MU Extension. Over 22,000 Missouri children and teens participate in 4-H clubs, and one of every five Missourians were reached by a Missouri 4-H program in 2016. According to research, youth in 4-H are more likely than their peers to pursue careers in science, attend college, and contribute to their communities. For more information about Missouri 4-H programs, <http://4h.missouri.edu>.



Left to right, Bollinger County 4-H members Raylee Leimer, Grace Seabaugh, Ashley Nussbaum, Jenna Garland, Beth Lincoln, Kyleigh Wolfe. Except for Leimer, who is in the Crooked Creek 4-H Club, these teens are members of Leopold 4-H.



LOCAL TEEN RE-ELECTED TO MISSOURI STATE 4-H COUNCIL

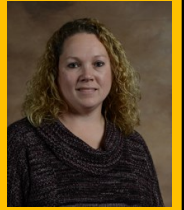
Raylee Leimer of Glen Allen recently returned from Columbia where she was reelected as a Southeast Regional Representative to the Missouri State 4-H Council. This is her second year representing her region.

State 4-H Council members are elected by their peers at this event. These teens serve as ambassadors for Missouri 4-H and MU Extension, serving as the voice of youth in policy and programming. Last year, over 22,000 Missouri children and youth participated in 4-H clubs, and one of every five Missourians were reached by a Missouri 4-H program.

Leimer is a student at Woodland R-4 and an active member of the Crooked Creek 4-H Club in Marble Hill. She also serves as a County Youth Liaison on the Bollinger County Extension Council.

Horticulture

Horticulture Specialist
Donna Aufdenberg



Donna Aufdenberg, Horticulture Specialist, assists homeowners in Southeast Missouri as well as Bollinger County residents on horticulture questions. Donna assists on a variety of topics such as vegetable gardening, flower gardening, houseplants, outdoor plants, insect problems, soil testing and disease diagnostics.

Donna assists commercial fruit and vegetable growers, Farmer’s market growers as well as greenhouse growers.

Donna serves as secretary to the Bollinger County Soil and Water Conservation District Board and a board member to the Bollinger County Recycling Board.

Donna co-writes and co-edits a gardening newsletter called “The Garden Spade”. This newsletter provides gardeners with timely topics on gardening. The newsletter goes out to people throughout the state of Missouri.



In 2017, Donna taught these classes in Bollinger County:

- Container Gardening - 10 participants
- Seed Starting - 7 participants
- Planting Native Wildflowers—12 participants
- Tomato Grafting - 7 participants
- Gardening with Salad Boxes—25 participants

2017 SUMMARY

205 Soil Tests

1000+ inquires about horticulture and agriculture information

900+ Master Gardeners and garden enthusiasts in southeast Missouri receive The Garden Spade monthly newsletter

400+ Insect and Disease Diagnostics

In 2017, Donna conducted Master Gardener training in the Southeast Region. The training covered topics such as plant anatomy, soils, flowers, woody ornamentals, vegetable gardening, herbs, home fruit production, lawn care, diseases and insects, propagation and houseplants. Eleven participants took this training and two of those were Bollinger County residents.



Salad Box program at the Bollinger County Health Center

Horticulture Programming

Horticulture Specialist
Donna Aufdenberg



What Did They Learn?	What Action Did They Take?	How Does This Work Make Bollinger County and Missouri Better?
<p>Participants who engaged in horticultural/agronomy programming learned about integrated pest management (insects, weeds, disease), soil health, general plant care and variety selection.</p>	<p>Participants who gained knowledge on horticulture/agronomy topics may benefit in the following ways:</p> <ul style="list-style-type: none"> ◆ Learn to identify the problem, be it insect, disease, weed or nutrient and use an effective control measure, therefore reducing pesticide application and runoff into local water systems. ◆ Knowledge gained about soil health leads to saving money by applying the need rates of fertilizer, reducing nutrient runoff and improving soil quality for future generations. ◆ Knowledge gained on general plant health and selecting the right plant for the right place for landscaping leads to increased property values, environmental benefits of reduced erosion and improved air quality, and conserving natural resources through reduced heating/cooling costs. ◆ Knowledge gained on home vegetable and fruit production leads to increased consumption of healthy food and increased exercise. 	<p>Participants will increase the use of IPM, increase use of personal protective equipment, and read the label contributing to correct pesticide application practices, which leads to reduced use of pesticides, decreased pesticide exposure, and increased IPM practices. This will benefit the community by reducing cost to consumers, increasing health and safety, and protecting the environment and non-targets.</p>

Agronomy



Anthony Ohmes
Agronomy Specialist

Programs	Number of Bollinger County Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Make Bollinger County and Missouri Better?
Missouri Crop Management Systems	10	This program uses multiple delivery methods to target a broad range of learners on various aspects of sustainable crop production. Education events include: direct contact through corn, soybean, certified crop advisor meetings; individual contact through field and office visits, soil test reports, phone calls and email; and indirect contact through extension publications and agronomy fact sheets. .	<ul style="list-style-type: none"> - soil tests -cover crop acres improving water infiltration and decreasing soil erosion -improved nutrient application timing for maximum crop uptake and improved yields -increased knowledge of crop advisors in crop production, pests, soils, nutrients and water quality passed on to producers. 	<p>The goal for the program is to change row crop management by increasing:</p> <ul style="list-style-type: none"> • Knowledge of available information sources and how to use them in selecting the best crop genetics. • Knowledge of the complex interactions between crop choice, planting date, seeding rate, nutrient management, soil management, and harvest management. • Knowledge of the limitations of different sources of information used in crop management decisions.
Integrated Pest Management	8	This program is an integral part of all other agronomic programs targeting all aspects of pest management. Forage and row crop producers, agricultural advisors, pesticide applicators learn the necessity of integrating scouting fields, with informed decision making to protect plant yield and quality through pest identification and control strategies that are economically viable and environmentally sound.	<ul style="list-style-type: none"> -increased awareness of soybean cyst nematode -planted herbicide tolerant soybeans to improve resistant pigweed control -research based product selection for pasture weeds with IPM guide as tool -weed identification and incorporating mechanical, cultural and chemical methods of controlling -increased awareness of sudden death and other diseases in soybeans, wheat and corn resulting in more pest management practices such as seed treatments. 	<p>The goal for the program is to enhance management systems for improving yield and environmental quality by increasing:</p> <ul style="list-style-type: none"> • Knowledge and skills to successfully integrate pest management to delay pesticide resistance and use pesticides only when necessary. • Knowledge related to plant protection including natural and applied controls. • Knowledge of current technologies and recommended control measures.

Agronomy

Anthony Ohmes
Agronomy Specialist



<p>Forage Production and Management</p>	<p>173</p>	<p>This program covers the largest agricultural industry in Missouri. Direct contact at two events: SE Regional Grazing School and Forage Production Workshop. Direct in conjunction with indirect and individual contact through field and office visits, soil test reports, phone calls and email, extension publications and agronomy fact sheets, forage producers learn management of forage resources by improving forage quality, quantity, and persistence. Learning proper grazing and hay harvesting, nutrient distribution, and forage specie selection for improved economic return while protecting the environment.</p>	<ul style="list-style-type: none"> - soil tests -phosphorus (P) application on low P soils to improve root development and decrease grass tetany -shift to more fall application of nutrients improved persistence and increased stockpiling fescue to reduce hay needs -increase in rotational grazing vs. continuous grazing to improve plant health and nutrient distribution -renovation of pastures with legumes to improve animal gain and reduce dependence on nitrogen -replaced toxic fescue with novel endophyte fescue to improve animal performance -rotating hay feeding areas to reduce compaction and improve manure distribution. 	<p>The goal for the program is to change forage management by increasing:</p> <ul style="list-style-type: none"> • Knowledge of managed intensive grazing to improve forage quality, quantity and persistence. • Knowledge of the complex interactions between forage types, planting date, seeding rate, planting methods. • Knowledge of fescue toxicosis and benefits of replacing with novel endophyte fescue • Knowledge of nutrient (manure) management for improved plant development and reduced environmental impact.
<p>Sustainable Agriculture</p>	<p>69</p>	<p>This program provides timely education through media outlets that promote sustainable agronomic practices. These media outlets include electronic newsletters, news releases, radio interviews and social media.</p>	<ul style="list-style-type: none"> -weekly update for timely pest scouting such as alfalfa weevil and fall armyworm -awareness of invasive pasture weed species -pasture renovation -prussic acid management after a frost -managing hay quality in wet spring -spraying pasture weeds 	<p>The goal for the program is to provide in-season information where changes can be made by increasing:</p> <ul style="list-style-type: none"> • Knowledge of current in-field pest problems. • Knowledge of current weather conditions that influence nutrient loss. • Knowledge of extension education on multiple topics to a broad range of learners.

Agronomy

Anthony Ohmes
Agronomy Specialist



<p>Pesticide Applicator Training</p>	<p>14</p>	<p>This program provides certification and recertification education to private and commercial pesticide applicators. The education efforts include integrated pest management principles, environmental stewardship, and personal safety when handling pesticides. This education fulfills the legal requirements and provides technical knowledge to make informed decisions before applying a pesticide into the environment and understanding the fate of the pesticide once it is applied.</p>	<ul style="list-style-type: none"> -increased knowledge of the factors that cause pesticide drift -nozzle replacement improved pest control -increased understanding of pesticide labels reduced crop injury concerns -greater understanding of how resistance to pesticides occurs resulted in rotation of pesticide modes of action -increased understanding of the importance of personal protective equipment, especially chemical resistant gloves to reduce exposure. 	<p>The goal for the program is to change management practices that promote the long-term viability of pesticides by increasing:</p> <ul style="list-style-type: none"> •Knowledge that will meet the legal requirements for certification. •Knowledge and skills to properly apply pesticides while reducing transfer processes such as drift, runoff, leaching, volatilization and crop removal. •Knowledge that the responsible use of pesticides will reduce personal exposure and result in a cleaner and safer environment.
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Family Nutrition Education

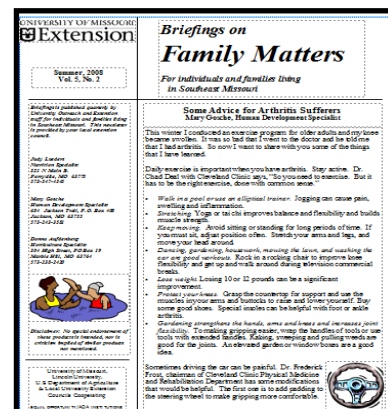
Nutrition Specialist
Bethany Bachmann



Bethany Bachmann, Nutrition and Health Education Specialist, delivers health related programs to audiences of all ages. Some of the programs she presents includes Home Food Preservation, Stay Strong, Stay Healthy, A Matter of Balance, and Cooking Matters, as well as many others.

The “**Briefings on Family Matters**” is a quarterly newsletter that approximately 50 county residents receive. It consists of information from Mary Gosche, human development specialist, Bethany Bachmann, nutrition specialist, and Donna Aufdenberg, horticulture specialist. The articles consist of information for relationships, nutrition and gardening. This newsletter can be found on the web at:

<http://extension.missouri.edu/bollinger/familymatters.aspx>



Livestock Education

Livestock Specialist
Erin Larimore



Number of Bollinger County Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Make Bollinger County and Missouri Better?
<p>404 direct contact participants through programming (participants are actively engaged in the learning process); i.e., beef cattle workshops, SMQA training, farm day, etc.</p> <p>45 individual contacts (one on one); i.e., farm visits, walks, phone calls, emails.</p> <p>115 indirect contacts (information distributed); i.e., newsletters, SEMO Bull Sale, Show-Me-Select Replacement Heifer Program, meetings and other special assignments.</p>	<p>Participants who engaged in livestock programming learned about heifer development and selection, cattle reproduction and genetics, cattle handling systems and techniques, management and requirements for youth livestock projects, livestock judging, preventing and responding to disease outbreaks, chainsaw safety and maintenance, forage production and management, and calf processing, Youth participating in the Show-Me Quality Assurance Training learned about proper animal handling and care.</p>	<p>Learning the time commitment, costs, and equipment needed for raising different species of livestock can help youth decide which animals would fit their means and resources. Youth gained knowledge on how to produce a high quality meat product, how to make business contacts to sell their product, and how to better present their animal in the show ring. Show-Me-Select producers improve their herd management, reproduction, and genetics with retained ownership or market heifers for added income.</p>	<p>Participants who gained knowledge on livestock topics may benefit in the following ways:</p> <p>Knowledge gained helps producers learn how to develop heifers for lifetime productivity to improve longevity and profit, synchronization protocols help producers get their females pregnant early in the breeding season leading to heavier calves at weaning. Using genomics to select females can aid in selection of economically relevant traits.</p> <p>Adoption of low-stress cattle handling techniques can improve animal health, productivity, and animal and handler safety.</p>

Livestock Education

Livestock Specialist
Erin Larimore



The Show-Me-Select Replacement Heifer Program was designed to implement a total quality management strategy to on farm heifer development, enhance marketing opportunities for and add value to Missouri-raised heifers, and provide a reliable source of quality replacements based on management, reproduction, & genetics.

Two producers enrolled fifty heifers from Bollinger County in the program in 2017. Six heifers sold in the May sale bringing an average value of \$1866, all heifers were A.I bred and five of the six qualified for Tier II, meaning they were out of high accuracy sires. Tier II A.I. bred heifers brought a \$200 premium. Eight residents of Bollinger County attended the sale and obtained a buyers number; of those eight, three bidders purchased four bred heifers.



2017 Farm Day with area 3rd grade students



Cattle handling workshop



Beef cattle artificial insemination



Cattle handling display from Bollinger County Coop

4-H Youth Development Specialist

4-H Youth Specialist
Kristi Baker

Bollinger County Ecology Day
Woodland School

163 Bollinger County students enjoyed the nature learning stations during ecology day at Woodland school. Schools attending were: Leopold, Meadow Heights, Zalma, & Woodland. Students rotated through seven stations learning about the topics of Mammals, Reptiles, Forestry, Scavenger Hunt, Dichotomous key game, adaptation/bats, and hunter safety. More than 180 people were involved in this years Ecology Day. Teacher evaluations had many positive comments with an overall Excellent rating.

Teacher comments:

“Presenters are knowledgeable”

“Stations were fun and interesting”

“Variety of presentations with very informative presenters”

“Great weather, stations, and people”



Century Farm



The Missouri Century Farm program's history dates back to 1976 as a result of the Missouri Committee for Agriculture which was co-chaired by James B. Boillot, Director, Missouri Department of Agriculture, and Elmer R. Kiehl, Dean of the College of Agriculture, University of Missouri. The committee's purpose was to organize the American Revolution Bicentennial celebration in Missouri. One activity that was initiated by the committee was the "Centennial Farm" project which awarded certificates to persons owning farms that had been in the same family for 100 years or more. Interest in the program continued after 1976. The College of Agriculture, Food and Natural Resources and University of Missouri Extension planned a 10-year update in 1986 called the "Century Farm" program. This program has been sustained as a yearly event with over 100 farms recognized each year. In 2008, Missouri Farm Bureau became a program co-sponsor. Bollinger County added two Century Farms in 2017.

The Mark Statler Family Farm, Marble Hill, MO has been in the family since approximately 1912 with 80 qualifying acres.

The Sandra Cato Family Farm, Greenbrier, MO has been in the family since approximately 1917 with 40 qualifying acres.



Each year, the Bollinger County Extension Council is given the opportunity to name individuals to the University of Missouri Leader's Honor Roll to recognize individuals who have gone above and beyond their call of duty on behalf of extension. The Leader Honor Roll certificates are presented at the annual extension council banquet in March. This year Bill and Sharon Hopkins received the award.

Family Financial

Family Financial Education Specialist
Ashley Bales



Extension Programs for Your County—Family Financial Education

MU Extension’s Financial Education programs are designed to help participants progress toward financial well-being by making informed decisions connected to reaching their financial goals. When people spend and borrow deliberately and responsibly, save more and gain control over their financial health, their success overflows to benefit other community members by reducing predatory lending, crime and more.

Making Money Count

A program that encompasses many financial topics that can be taught in shorter increments, including sessions such as:

- ☐ Net Worth and Spending Plans: Calculate your Net Worth and develop a Spending Plan
- ☐ Charitable Giving: Determine how, when, and who to make your charitable contributions to
- ☐ Understanding Your Credit Report and Score: Learn how to access and understand your free Credit Report and credit score
- ☐ Medicare Basics: Understand the different parts of Medicare, including Parts A, B, C & D
- ☐ Identity Theft & Consumer Protection: Find out how ID theft occurs and what to do if your identity is stolen

Small Steps to Health and Wealth

This program includes 25 strategies to become a healthier and wealthier person! Includes sessions such as: “Meet Your-self Halfway” and “Track Your Current Behavior”. For shorter time frames, 4-5 strategies would be chosen for discussion. (For approved sites, this program is free of charge.)

Who Gets Grandma’s Yellow Pie Plate?

Who Gets Grandma’s Yellow Pie Plate is a great program to determine how to distribute your non-titled property to heirs. This program is available as a one-hour session.

A Matter of Balance

An eight-week session that covers fear of falling and how to prevent future falls.

High School Financial Planning

A variety of financial topics are available for youth, including: setting financial goals, job applications and career readiness (including understanding pay stubs), living on your own, insurance needs, and much more.

Supervisory Certificate Series

A series created by Missouri Training Institute for management that includes how to manage legal responsibilities, communicate with co-workers and employees, and focus on teamwork.

Your Money, Your Goals

A train-the-trainer program that focuses on teaching instructors how to help their clients deal with financial issues.

Health Insurance Education Initiative

Educational program intended to assist participants with navigating the depths of the Affordable Care Act.

Your Farm, Your Business, Your Future

An estate planning program for farm and/or business owners to educate attendees on how to determine the best course



Family Nutrition Education Programs

Nutrition Program Educators
Vickie Seiler



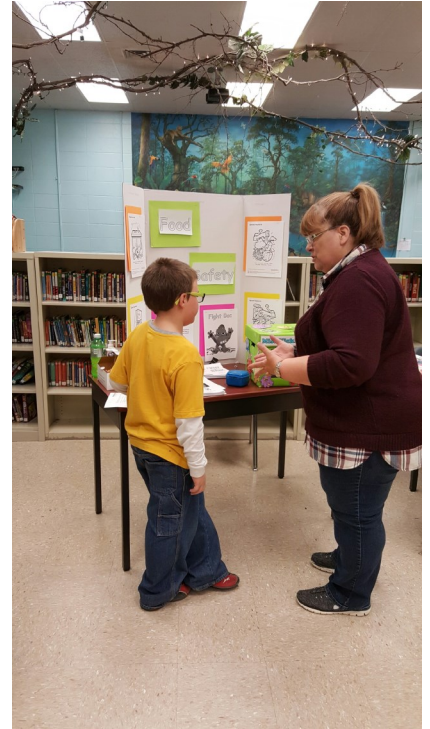
Total Hours Of Collective Workshop Participation In 2017	Number of Bollinger County Learners	What Did They Learn	What Action did They Take	How does This Work Make Bollinger County and Missouri Better?
1184 collective workshop hours	University of Missouri Extension's Family Nutrition Program (FNP) reached 1578 participants. Of that number, 1226 were direct and 352 indirect nutrition education in Bollinger County during 2017. A significant percentage of these participants were low income. FNP provides information on nutrition, food safety, gardening, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.	Youth from Pre-school to 12th grade learned through kid-friendly, hands-on lessons and activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also included nutrition, food safety, and physical activity, as well as food resource management.	Nutrition Program Associates (NPA's) teach in schools and other grant eligible locations in the county to help them make healthier choices and build healthy habits. Also, through indirect teaching as well as health fairs or other one time workshops, they impact many people that they are unable to actually see in a classroom setting.	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. 1578 of these participants reside in Bollinger 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.

Family Nutrition Education Programs



Nutrition Program Associate
Vickie Seiler

The other day I ran into one of the kids from one of my daycares. I had a garden at their daycare. The child came running up to me and asked if we were going to have a garden again this summer. They wanted to know if I had some seeds that I could share with them so they could grow some of the same things.



Family Nutrition Education Programs



Nutrition Program Associate
Vickie Seiler



Business Development

Business Development Specialist
Richard Proffer



Programs	Number of Bollinger County Learners	What Did They Learn?	What Action Did They Take?	How Does This Work Make Bollinger County and Missouri Better?
Individualized counseling (A total of 37 hours)	40 clients (49 male/female owned business; 28 male owned businesses; 61 women owned businesses)	Managing a Business Government Contracting Start Up Assistance Business Planning Marketing/Sales Human Resources Managing Employees	Prime Contracts awarded totaling \$2,645,382 Acquired Assets \$335,255 Business Expanded – 1 Increase in sales - \$5.594,159 Jobs Retained – 2 Jobs Created – 2 Commercial Loan - \$200,000	By helping our county residents become more business minded and aware, we were able to expand the local economy thru job creation, capital infusion and able to compete for more small business contracts with the state and federal governments. These actions increased the awareness of our state and federal legislators about the program and will aid in program funding.
How to Start a Business	4	Attendees learned the process of starting a business	They attended classes of their choice and learned methods to help them advance their business idea or found answers to their questions.	By increasing the knowledge base of Bollinger County residents & business owners, the chances of a business being successful are significantly increased..

Recycling Project

Waste Management in Bollinger County

The Center had its 7th anniversary in August 2017. We had our usual three County-Wide Collection events in the spring, summer and fall. This year we expanded to include one more community, Leopold to the three that have had collection sites in the past, Patton, Scopus and Marble Hill. It is our hope that this event continues to grow to include other communities so that it is a true county wide event.

Many thanks to the generous local businesses who provided donations to our spring fundraiser. Modern Woodmen matched the amount we raised. The money is to be used to add motion detector security lighting to the front and interior of the building. Some of our recyclers arrive late in the day after work and need the lighting for security. Motion detectors will allow lighting inside for correct sorting and using the library.

The recycling market was slowly recovering from the decline in 2014. This year, China, which has imported a large portion of US plastics, has declined to accept all plastics numbered 3-7. This resulted in our buyer, who sells mostly to China, informing us that he would accept no more 3-7 also. The only good news was that the majority of household plastics are number 1 and 2 (colored and neutral). The recycling center had no recourse but to begin only accepting plastic numbered 1 and 2. China's ban also included plastic shopping bags. The center has continued to accept plastic bags due to an arrangement we worked out with Walmart to accept our bales of plastic bags. We will continue to look for a buyer for plastic 3-7. If/when we locate a buyer we will be able to accept them again. We will keep everyone informed of any changes in this situation.

Even with the restrictions listed above, we were able to send out two trailers loads of recyclables in 2017. All of which will go back into the market to create new products for consumer's daily use. The total weight of these two trailers was 49,019 lbs. This brings our annual total of recyclables kept out of landfills to 304,168 lbs or 178 tons. We can make a difference in our environment and this is proof. Every person who recycles slows the growth of landfills and cuts back on the unnecessary usage of natural resources and energy. For example, recycling an aluminum can uses 95% less energy than making a can from new materials.

When service at the Recycling center started all of the work was done by volunteers, When usage at the center increased, we soon realized that more consistent coverage was needed. We reached out to Experience Works for help. This agency assists low income seniors to find employment. In 2017, MERS Goodwill replaced Experience Works in our county. Bollinger County Recycling provides the employment site and MERS Goodwill pays the wages. The Center is open daily. The door is never locked in order to allow everyone to recycle according to their own schedule. However our manager's actual hours are Tues-Sat 11:30- 4:30.

Newcomers to recycling should visit during her work hours to receive instruction on how things are done.

Our Little Free Library appears to be well used. We get frequent donations. When the donations are more than our limited space can allow we in turn will donate out. Bollinger Co Library and a children's cancer ward in St Louis have received books from our library overflow. We hope that better interior lighting will encourage more usage of our Little Free Library.

Do something new this year. Resolve to improve your environment, begin to recycle and get others involved. If you are not sure how to start come by the center. If you or a group, want to know more about recycling in general and how it helps environmentally, contact Paula Bridges at 238-4612.



Recycle!



Welcome
Bollinger County Recycling
 Hours of Operation
OPEN DAILY
SLIDE DOOR TO LEFT
 ALL RECYCLABLE ITEMS
 MUST BE PLACED IN THE
 APPROPRIATE CONTAINERS.
 PLEASE TAKE ALL TRASH HOME.
 THANKS FOR YOUR COOPERATION.



State Fair Farm Family

Local residents chosen as State Fair Farm Family for Bollinger County

Marble Hill, Mo. — Todd and Tammy Peters and family of Marble Hill were among the families honored during the 59th annual Missouri Farm Family Day, Aug. 14 at the Missouri State Fair. The Peters family was selected as the Bollinger County Missouri Farm Family by the Bollinger County Extension Council and local Farm Bureau. The family includes Bethany and Luke Peters. Each year, the fair sets aside a day to recognize farm families from across the state who are active in their communities, involved in agriculture, and/or participate in local outreach and extension programs such as 4-H or FFA. The annual event is sponsored by five partner agencies: the Missouri Farm Bureau, the Missouri Department of Agriculture, the Missouri State Fair and Commissioners, the University of Missouri College of Agriculture, Food and Natural Resources, and University of Missouri Extension.

One hundred twelve of Missouri's 114 counties were represented this year, with two counties still dealing with the aftermath of the recent flooding in southern Missouri.

The event showcases the impact Missouri Farm Families have on the economy and heritage of the state. "These families are involved in agriculture activities in their communities, and are active participants in local outreach and extension," said Missouri State Fair Director Mark Wolfe. "As the showcase for Missouri agriculture, the Missouri State Fair is most certainly the appropriate place to celebrate these families."



Pictured Back Row: Ted Sheppard, Missouri State Fair Commissioner; Jack Magruder, Missouri State Fair Commissioner; Miss Natalie Ayers, 2017 Missouri State Fair Queen; Todd Hays, Missouri Farm Bureau Board of Director's Vice President; Christine Chinn, Director Missouri Department of Agriculture; Rob Kallenbach, Assistant Dean MU CAFNR; Blake Naughton, Associate Vice Chancellor for MU Extension and Engagement.
Front Row: Todd, Luke, Bethany, and Tammy Peters.

Mission



The Mission of University of Missouri Extension is to

Improve Missourians' lives by addressing their highest priorities through the application of research-based knowledge and resources.

As an integral part of the land-grant mission, University of Missouri Extension is a joint venture of

- * University of Missouri campus
- * Lincoln University Cooperative Extension
- * The people of Missouri through county extension councils
- * Cooperative State Research, Education and Extension Service of the U.S. Department of Agriculture
- * Other stakeholders and partners

Diverse, Experienced and Well Trained Staff

The staff of the University Extension office in Bollinger County is diverse, representing a variety of backgrounds, experiences and educational levels. Staff members have owned their own businesses, worked for other educational institutions, worked in the public and private sector and collectively have over 15 years of work experience with University Extension.

Bollinger County



UM System Footprint in the County in 2017



Students

10 County students

- 7 Undergraduates
- 3 Graduates
- 8 Full-time students
- 2 Part-time students



Employees and retirees

5 people employed by UM

- 5 Campus

1 UM retiree or beneficiary

UM salary and retirement income: \$43,358

UM state tax revenue: \$704

UM federal tax revenue: \$6,506



Alumni

Selected school alumni

- 4 - Nursing
- 4 - Health Professions
- 2 - Dentistry
- 1 - Pharmacy
- 2 - Veterinary Medicine
- 16 - Agriculture
- 11 - Engineering
- 4 - Law

Alumni teaching K-12

- 6 teachers
- 4% of all county teachers



Breakdown by campus

MU

- 3 students
- 51 alumni
- 5 employees

UMKC

- 1 students
- 3 alumni
- 0 employees

Missouri S&T

- 4 students
- 10 alumni
- 0 employees

UMSL

- 2 students
- 15 alumni
- 0 employees



County population:
12,356



Services provided

Health care

- 3 patients seen at UM Health Care, with \$50,522 of uncompensated care
- 1 patient seen at the UMKC School of Dentistry with an average of \$54 per patient in uncompensated care

Extension

- 12,826 total educational contacts from MU Extension to residents of county, including:
 - 2,422 contacts related to productive farming, better gardening, and managing natural resources
 - 10,209 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
 - 195 contacts related to starting businesses, developing community leaders, or renewing the local economy



Properties and offices

MU Extension in: Bollinger County

Bollinger County



UM System Statewide Footprint

Economic and community development highlights

- Business development specialists worked with small businesses and entrepreneurs statewide to create 8,149 jobs.



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.

- Between FY2011 and FY2016, UM System brought Missouri more than \$1.1 billion in federal and private research funds, funded primarily from outside the state but spent within the state.



In 2017, the university was issued 49 patents and filed 74 patent applications.

- In 2017, the UM System construction projects resulted in a total investment in the state of \$136.7 million.



In FY 2017, Missouri Telehealth Network brought the expertise of University of Missouri Health Care physicians to underserved areas — 2,270 patient consults in 42 counties.

Education and training provided



42,576 police, fire fighters, nurses, and doctors attending continuing education

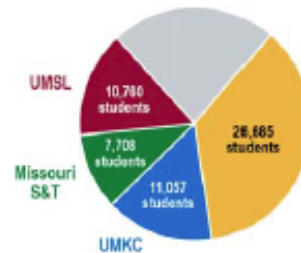


Agriculture and natural resource programs served 94,830 farmers and related businesses



190,300 youths served in 4-H clubs, schools, camps and other programs

Education highlights



77% of the UM System's 72,877 students receive some financial aid totaling \$910.6 million.

- UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 59 higher education institutions (267,000 students), 502 K-12 school districts (828,900 students) and 116 public libraries (serving nearly 5 million Missourians) in 2016.
- UM System awarded 54% of Missouri's 32,575 bachelor's or higher degrees from four-year public institutions in academic year 2015-2016.
- In 2017, UM System's \$34.5 million in National Science Foundation (NSF) grants represented 97% of all NSF grants made to Missouri public universities.



The cost of supporting full-time students in the UM System is 27% less than peer institutions.

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 (OSEDA) 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



Financial Report

Bollinger County Extension is funded through a three way partnership between federal, state and county government. County funding provides the local Extension Center with office space, operation cost which includes secretary salary, travel expense of specialists who conduct educational programs in Bollinger County, telephone, and other miscellaneous council costs for programming.



BOLLINGER COUNTY COMMISSIONERS

Travis Elfrink, Roger VanGennip, and Roy Garner

2017 FINANCIAL REPORT

INCOME

County appropriations	\$25,000.00
TOTAL INCOME	\$25,000.00

EXPENSES

Secretary Salary	\$19,000.00
Payroll expenses	\$1,600.00
Travel reimbursement	\$1,700.00
Postage	\$100.00
Rent/Lease Space	\$100.00
Phone	\$1,200.00
Supplies/Services	\$500.00
4-H Development	\$500.00
Other (IT Service)	\$300.00

TOTAL EXPENSES	\$25,000.00
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BALANCE	\$0
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DID YOU KNOW?

You can direct your donation to a specific county as a gift to be used immediately or as an endowment contribution to support the county's efforts long term. Gifts are generally used within one to two years. Monies put into an endowment are left in the fund forever to earn interest; once the endowment is fully funded, the county extension office receives the earnings monthly—forever.

You can also direct your donation to a specific MU Extension program, such as your county's Master Gardener or 4-H program.