

Butler County

2016 ANNUAL REPORT



**Family Nutrition
Education Programs**
Nutrition and Lifeskills for Missouri Families



Missouri Association
for Family & Community
Education



614 Lindsay Ave., Ste 3

Poplar Bluff, Missouri 63901

573-686-8064

FAX 573-778-8021

Email: butlerco@missouri.edu

Website: extension.missouri.edu/butler

Sarah DenKler

UNIVERSITY OF MISSOURI
Extension



ADA/EOE Compliant

January 5, 2017

Dear County Commissioners and Friends of MU Extension:

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

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

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

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

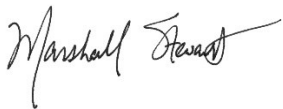
These are just a few examples of how Mizzou's commitment to extension and engagement benefitted Missourians this past year.

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

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

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

Sincerely,



Marshall Stewart, Ed.D.
Vice Chancellor for Extension

University of Missouri Extension is a partnership of the University of Missouri campuses, Lincoln University, local citizens through county extension councils, and the National Institute for Food and Agriculture of the U.S. Department of Agriculture. We serve the people of Missouri.

Land-Grant Mission: MU is a land-grant university, meaning it is a part of a federally mandated mission to carry the benefits of university research beyond campus. Federal legislation in the 1800's provided for the donation of public land to individual states. Today, through statewide offices, publications and Web-based services, extension faculty in every county of Missouri continue to carry the benefits of MU research throughout the entire state.

University of Missouri Extension cooperates with Lincoln University to deliver a single, coordinated cooperative extension program. Extension clientele are youth and adults from all socioeconomic, racial and ethnic groups represented in the state.

In 2016 University of Missouri Extension in Butler County directly helped over 15,000 adult and youth community members. Education was provided and questions were answered during topic specific programs, face-to-face contacts, phone calls and classes

In addition over 13,500 indirect contacts were made during short presentations, through organizations or group discussions and via email or online questions to the office.

Mission: 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 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 race, color, national origin, ancestry, religion, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability, or protected veteran status.

2016 PROGRAMS OF DISTINCTION

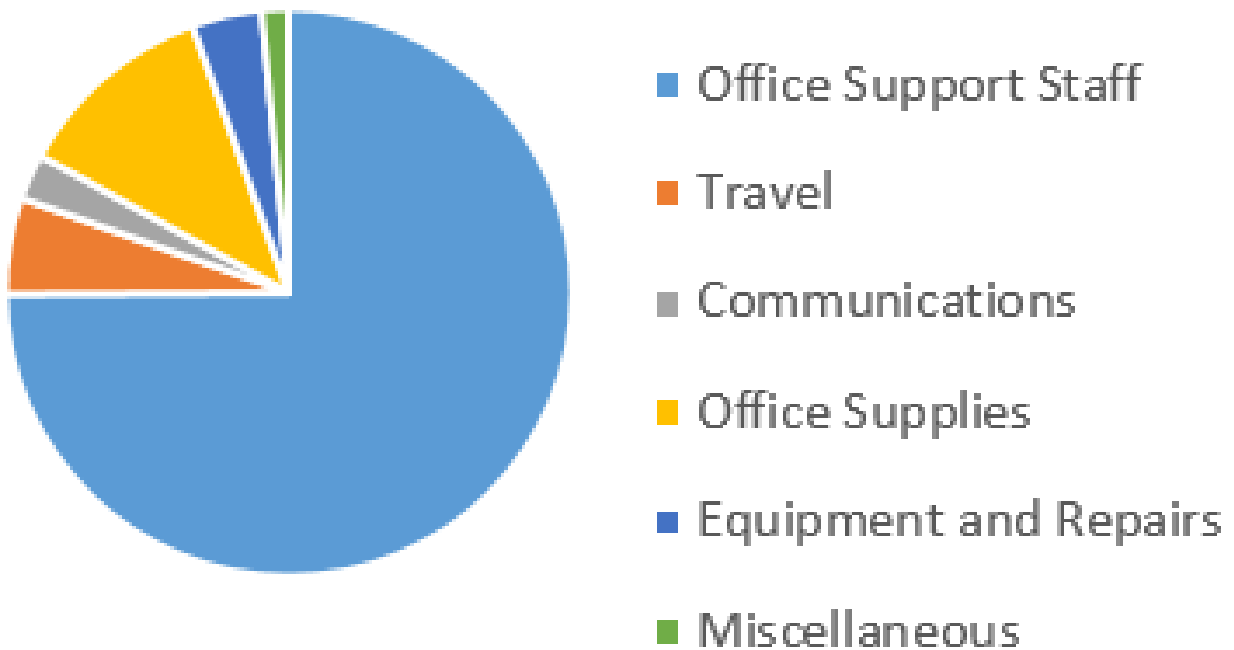
Letter to County Commissioners and Associated Friends of University of Missouri Extension	1
Actual Expenses	4
County Council, Commissioners, and Organizational Alliances	5
Staff Headquartered in Butler County	6
Specialists Serving Butler County	7
Human Development	8-10
Missouri Crop Production	11
Horticulture	
Commercial Horticulture.....	12
Home Horticulture	13
Master Gardener	14
4-H Youth Development	15-17
Food Nutrition Education Program	18-19
Business	20
Butler County Fair / Farm Family	21
Ag Expo	22
MU Extension Continuing Education	23
Butler County Leader’s Honor Roll	24
University of Missouri System, Impact on Butler County, Missouri	25

Actual Expenses 2016

Breakdown by Category

\$68,125.23

	Dollar Amount	Percentage
<i>Office Support Staff</i>	51,037.34	75
<i>Travel</i>	3,735.42	5.5
<i>Communications</i>	1,782.90	2.5
<i>Office Supplies</i>	7,808.56	11.5
<i>Equipment and Repairs</i>	2,714.44	4
<i>Miscellaneous</i>	1,046.57	1.5



Butler County Extension Council, County Commissioners, and Organizational Alliances / Partners



Don Anderson
Eastern District Commissioner

Vince Lampe
Presiding Commissioner

Jeff Darnell
Western District Commissioner

Extension Council Members:

Brandon Woolard (2018), President; Betty Schalk (2018), Vice President; Marissa Day (2018), Secretary; Linda Allen , Treasurer (2017); Jack Altman (2018); Bruce Beck (2017); Mildred Coursey (2018); Michelle DeGaris (2017); Laura Dowd (2018); Sheri Farmer (2017); Wanda Gaebler (2017); Vince Lampe (PC); Jill Lynxwiler (2018); Paula Moore (2017); Shirlene Nelson (2018); Don Robertson (2017); Roger Slayton (2017); Faye Smody (2018); Pam Sullivan (2018)

The University of Missouri would like to thank our organizational alliances whose support and good work enable us all to make a difference together.

AARP; Boys & Girls Club; Butler County Fair Board; Butler County Health Department; Caring Communities; Economic Development; First United Methodist Church; First Presbyterian Church; Healthier Communities Coalition; Lincoln University; Local Media Friends (Daily American Republic, Fox Radio, River Radio); Mingo National Wildlife Refuge; Missouri Association for Family; and Community Education - Butler County; Missouri Division of Health and Human Services; Poplar Bluff R-I Health Advisory; Red Cross; Retired Senior Volunteer Program (RSVP); Sacred Heart; Senior Services; Show Me Healthy Women; Three Rivers College and Ag Club; US Army Corps of Engineers; Women Aware, Inc.; Women in Action; and Whole Heart Health Coalition.

University of Missouri Extension, Butler County



Sarah Denkler
Horticulture Specialist
County Program Director



Stephanie Milner
4-H Youth Development Specialist



Phyllis Flanigan
Human Development Specialist



Albertina Henry
Nutrition Program Associate

Extension's Program Guidance Comes From You

The University of Missouri Extension council and staff would like to thank the Butler County Commissioners for their support and funding for local programming this past year. The council, faculty and staff remain committed to improving people's lives by helping them meet daily opportunities and challenges with research-based education and information.

University of Missouri Extension serves as the outreach arm of the University of Missouri System and Lincoln University. Through us, local residents have access to a vast network of experts to help with decision making and problem solving. Many of the services are available free of charge, paid for by your federal, state, and county tax dollars.

The contents of this report are a summary of the highlights of our educational efforts and successes during the past year. We hope that this report provides a greater understanding about University of Missouri Extension programming efforts in Butler County.

Many community members volunteer their time and talents in helping the staff better meet the needs of our local residents. We can't thank them enough for their dedication and support.

Our office is here to serve the citizens of Butler County.

Brandon Woolard
Butler County Council President



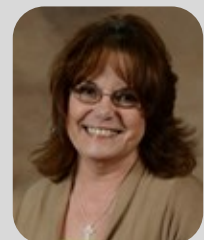
Caleb Stewart
Youth Program Assistant



Tonya Lyons
Program Support



Kittye Hall
Program Support

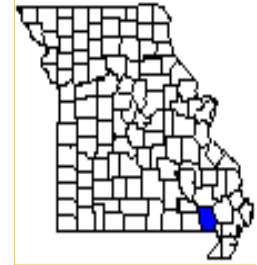


Sandra Williford
Nutrition Program Associate

Other Specialists Serving Butler County



Janet Kline
Regional Director



Other Specialists serving Butler County	State Specialists
<p>Van Ayers Community Development Specialist</p> <p>Dr. Maude Harris Nutrition /Health Education Specialist</p> <p>Dr. Michael Milam Agronomy Specialist, Cotton</p> <p>Dr. George Ohmes Agronomy Specialist, Corn</p> <p>Dr. Linda Morgan Regional Coordinator FNP/FNEP</p> <p>Frank Wideman Natural Resources Engineer</p> <p>David Reinbott Agriculture Business Specialist</p> <p>Sam Atwell Agronomy Specialist, Rice</p> <p>Rebecca Blocker Housing and Environmental Design Specialist</p> <p>Joel Tatum Livestock Specialist</p> <p>Willis Mushrush Business Development Specialist</p> <p>Kay Lewis Afterschool Regional Educator</p>	<p>Bruce Barrett, Entomologist, Columbia – fruit insect identification and control</p> <p>David Dunn, Soils Lab Supervisor, Delta Center – soil test interpretation and recommendations</p> <p>Jim Heiser, Weed Science, Delta Center</p> <p>Richard Houseman – State Extension Entomologist, Columbia – household pest identification and control</p> <p>Moneen Jones, Entomologist, Delta Center</p> <p>Bob Pierce, State Wildlife Specialist, Columbia – fish and wildlife educational programs and resources</p> <p>Hank Stelzer, State Extension Forestry Specialist – forestry programs</p> <p>Gene Stevens, Crop Production, Delta Center</p>

HUMAN ENVIRONMENTAL SCIENCE PROGRAM
Human Development Specialist: Phyllis Flanigan
Program: Grandparents Raising Grandchildren



The University of Missouri Extension Center receives generous support each year. Shown here Dottie Jean Jordan, President of the Eagles Auxiliary, providing a donation of \$500 for the Grandparents Raising Grandchildren Conference held this spring.

Grandparents Raising Grandchildren Support Group and Conference

In 2005 the human development specialist began a support group in the Butler County area for grandparents who raise their grandchildren. The support group continues to grow with 75 active participants welcoming 4 new attendees in 2016. They meet each month for education and mental support. This Family and Community Education (Extension Homemakers) Association helps support this program. A Grandparents Raising Grandchildren conference has been held since 2011. In 2016, 80 Attendees attended for education, lunch and vendors. The Butler County Grandparents Raising Grandchildren program has received funding from grants and the Eagles Ladies Auxillary totaling \$1,000 in 2016.



HUMAN ENVIRONMENTAL SCIENCE PROGRAM
Human Development Specialist: Phyllis Flanigan
Youth Education



Families perform tasks vital to Butler County's well being but need support for individual growth and development. University of Missouri Extension helps families meet their needs for food, housing, self-esteem, health, and safety.

The **Butler County Youth Task Force** is made up of 12 members. They meet monthly to plan various teen health-related activities including:

Postponing Sexual Involvement:

This program is a middle school sex education curriculum that focuses on delaying sexual activity. Through training 567 students in the 7th grade were provided this information.

Ounce of Prevention:

This curriculum targeted 70 students in grades 9-10, providing an opportunity to impact the lifestyle of this age group. It meets Missouri's Show-Me Standards, National Standards for Family and Consumer Sciences, and Common Core State Standards.

Puberty and Hygiene:

A total of 354 boys and girls in the 5th and 6th grades benefited from learning about body changes during the puberty years. Each received a hygiene kit. In addition prescription drug prevention was addressed through Character Counts providing benefit to 222 students.

Babysitting Certification:

Boys and girls attend six hours of training that included such topics as first-aid, safety, nutrition, responsibilities, bathing, clothing, playtime, and feeding providing basic skills needed to watch over siblings and other children. This program certified 88 youth in 2016.



Canning during 4-H Learning by Doing Summer Programs

HUMAN ENVIRONMENTAL SCIENCE PROGRAM
Human Development Specialist: Phyllis Flanigan
Adult Education



The Butler County FCE:

Family and Community Education consists of 2 clubs totaling 40 members. They meet on a quarterly basis and promote the Butler County Fair, man a booth at Women Aware, and run the hospitality room for Ag Expo. As a fundraiser, they sold refreshments and provided breakfast for exhibitors during Ag Expo to finance attendance at the state meeting. They also help support the Grandparents Raising Grandchildren program.

Human Environmental Programs:

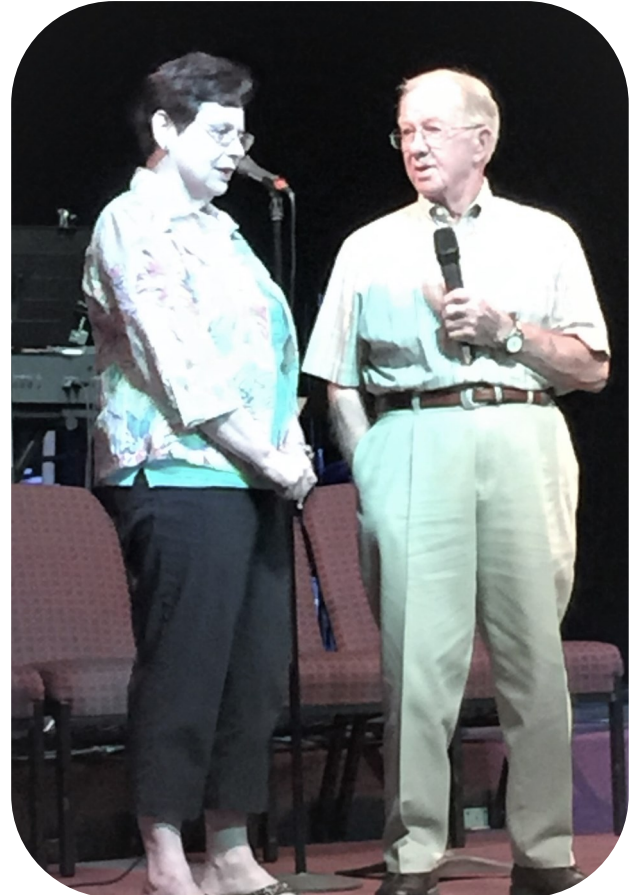
Walk for Health provided attendees basic exercises to stay fit at minimal impact to 90 attendees.

Women Aware:

The Women Aware conference committee meets on a monthly basis to plan the annual meeting. The human development specialist serves as curriculum breakout speaker chair. In 2016, there were 350 in attendance.



Phyllis Flanigan retired in 2016 after over 42 years of service to the citizens of Missouri. Long time supporters honored her at her retirement.



Bob Branum has been a long time supporter and champion for extension.

AGRICULTURE PROGRAM

Agronomy Specialist: Sam Atwell

Program: Missouri Crop Production



Agronomic workshops provide research-based information on farm management, soil fertility, tillage systems, crop production, variety selection, irrigation systems, insects, disease, weed control, cover crops, pesticide use, safety and environment, evaluation of farm resources, production programs.

Programs: Missouri crop production systems, Delta Center field day, rice field day, regional Agriculture meetings, forage, corn, soybean and wheat. One-to-one discussions, soil tests and contacts at workshops impacted 274 participants from Butler County.

IMPACT: As a result of this education and information, **Butler** County farmers increased their profits by increasing yields, adjusting inputs, improving production skills, and marketing techniques. This acquired knowledge helped the farmer have a more efficient and effective operation which increased the tax base of the county and state.

Mental Health First Aid

4-H Youth Development Specialist: Stephanie Milner

Human Development Specialist: Phyllis Flanigan



Mental Health First Aid is an 8-hour course that teaches you how to help someone who is developing a mental health problem or experiencing a mental health crisis. The training helps you identify, understand, and respond to signs of mental illnesses and substance use disorders.

Mental Health First Aid USA is coordinated by the [National Council for Behavioral Health](#), the [Maryland Department of Health and Mental Hygiene](#), and the [Missouri Department of Mental Health](#).

In 2013, the human development specialist became an Adult Mental Health First Aid instructor. In 2014 the 4-H Youth Development Specialist along with the Human Development Specialists became certified to give Youth Mental Health First Aid to those who work with youth. In 2016, 73 people completed the course through two adult and two youth courses.



AGRICULTURE PROGRAM

Horticulture Specialist: Sarah Denkler

Commercial Horticulture



The 2012 Agriculture Census shows 509 farms in Butler County with just over 234,000 acres producing rice, soybeans, cotton, wheat, apple, peach, plum, pecan and produce including cantaloupe, potato, sweet potato, cucumber, black-eyed peas, pumpkin, sweet corn, tomato and watermelon. It is increasingly more difficult for family farms to stay in operation due to regulation and economic viability and it is difficult for beginning farmers to come up with the capital to begin.

IMPACT: Over 750 readers of commercial newsletters and local articles. Over 298 direct contacts.

Provided **Private Pesticide Applicator Training** to 83 growers required to have certification and recertification in Missouri to obtain the necessary information to use chemicals responsibly to protect soil health, water quality and air quality.

Provided relevant education to **specialty crop growers** on best practices to improve operations including bringing in clientele to farmer's market and whole farm revenue protection. Grower commented, "this is the most useful and relevant information provided for my farm." Consulted on herbicide drift, discussing options for damaged crops with replant necessary to reduce further economic loss on 100 acres. Aided specialty crop grower in correctly identifying chemical damage that developed into disease and reduced harvest by 30%. This was originally mistaken for mite damage. Consultations benefitted over 1,870 acres of pumpkin; 610 acres of seeded watermelon; 2,320 acres of seedless melon; and 880 acres of cantaloupe production. Identification of disease and insect damage effected an average \$3.85 per cwt for a potential of \$2,191,420 in sales.

Farmers Market Workshop provided to 19 growers. Scales were certified by 25% of attendees for the market and several market vendors applied for an egg license for public sales.

Pruning workshops were offered to the southeast region with 40 attendees from multiple counties. Of those attending 100% pruned fruit trees and 60% also pruned grapes and ornamental trees.

Soil Tests are reviewed and recommendations provided with the goal of reducing over application of nutrients and lime to Missouri soils. There were 74 specialty crop and home soil tests reviewed with recommendations provided in 2016.

Advanced Beekeeper Workshop was offered to 25 attendees made up of experienced and new keepers. All (100%) of attendees grafted 10 or more queens for new hives; with up to 100,000 workers per hive, a potential population of 2,500,000 new pollinators could develop from this workshop.



AGRICULTURE PROGRAM

Horticulture Specialist: Sarah Denkler

Home Horticulture



Workshop, programs and one-on-one contact - Public education on horticulture practices to reduce soil loss, water waste, basic garden concepts and improve edible harvest. The ultimate goal is to improve the environment and our health by growing plants responsibly and to do so without waste.

PROGRAMS: Pruning workshop; Butterfly Puddles and Habitat; Planting for continuous Color; Pollinators; Container Gardens; Community Gardens; Garden for Food

IMPACT: Over 14,007 readers of home garden newsletters, statewide garden magazines and local community articles. Over 350 one-on-one plant related questions were answered by phone, email or in person and 342 attendees at workshops.

Insect damage from Japanese beetle populations were high for both homeowners and commercial growers in 2016. This attack continued for four weeks. Most were able to contain the outbreak with traps, reducing the amount of pesticide released.

The proper use of **native plants** continues to be instrumental in the reduction of water and pesticide use as it promotes beneficial insects. In addition, fertilizer application is reduced when plants are accustomed to existing soil.



Hands-on education of tree and shrub **pruning**, including fruit, is a program providing instant impact for the 43 who attend. All attendees work each year to improve home stands asking experienced questions when they return the next year.

Leadership development for youth is a priority to build a strong workforce for the future. Efforts to educate and challenge youth were provided to 641 students through classes, FFA events and fairs.



AGRICULTURE PROGRAM

Horticulture Specialist: Sarah Denkler
Master Gardener Horticulture



209 hours of training in 2016

The **Second Grade program** provides students with basic plant growth knowledge and the seeds to put that knowledge to use in a home garden. **IMPACT:** Over 800 youth were given the chance to grow up to 42 pounds of their own food using seeds provided in 2016.

Master Gardeners utilize the **Garden and Grow program** to provide 20 hours of horticulture education and encouragement to at risk youth in Missouri. Topics include growth of ornamentals and vegetables, correct use of water and fertilizer and proper lawn care. **IMPACT:** In addition to life-long learning skills the program provides an environment that builds confidence and teaches patience. Of the small Sierra/Osage youth group that participates in the program the center reports trainees with improved attitude and an eagerness to work with others saying, "they come out of their shell."

Garden adventures for kids is an opportunity provided to youth by the Master gardener volunteers to plant seeds, create a bird feeder and propagate house plants. **IMPACT:** This program educated 411 youth and parents with small, hands-on garden related activities that can be continued at home.



Vanessa Mathis teaches the value of herbs in preparation of food.



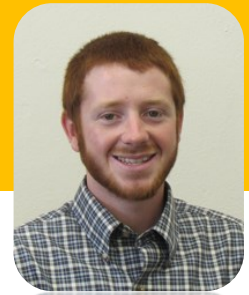
Kitty Hall educates gardeners about ornamental perennials.

Educational session for Master Gardener on the use of natives in landscaping.

4-H YOUTH DEVELOPMENT

4-H Youth Development Specialist: Stephanie Milner

4-H Youth Program Assistant: Caleb Stewart



Youth in organized clubs = 146

Butler County 4-H clubs offer long-term educational experiences for youth to learn life skills such as decision making, public speaking and working together. 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.



4-H school enrichment programs = 1,241

Butler County 4-H school enrichment programs are short-term educational experience that supplement learning in the classroom. Most are led by teachers or 4-H volunteers. The most popular 4-H school programs in Butler County are Ecology Day and Earth Days.

4-H special-interest programs/participants = 36

Butler County 4-H special-interest programs include conferences, distance learning, day camps and other educational activities, such as school-age care. They often reach youth with special needs, such as those living in group homes or youth who are physically or mentally challenged.



Embryology

Earth Day & Ecology Day



4-H YOUTH DEVELOPMENT

4-H Youth Development Specialist: Stephanie Milner

4-H Youth Program Assistant: Caleb Stewart



Learning by Doing Summer Programs: The Conservation Department helped youth identify trees. After learning about trees the youth recycled old water bottles into bird feeders.

Butler County 4-H volunteers serve as mentors for our youth helping them transition into healthy adulthood. Given the average Missouri income per hour volunteers contribution \$97,383.60 worth of time in 2016.

Ron Chapman from Tyson foods talked with kids and introduced baby chicks. Caleb explained the life cycle and incubation of new chicks so youth could experience hatching at home.



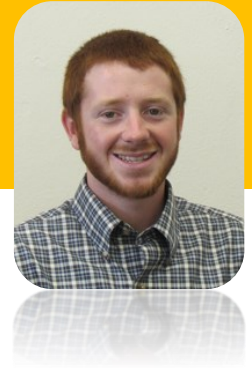
4-H Day with the cardinals



4-H YOUTH DEVELOPMENT

4-H Youth Development Specialist: Stephanie Milner

4-H Youth Program Assistant: Caleb Stewart



4-H Member at the
4-H Horse Clinic



4-H Liberty Tree Project below



Qulin 4-H Club—Royal Riders



4-H members bring animals to the Cedargate Nursing
Home in Poplar Bluff



Family Nutrition Education Program (FNEP)

Nutrition Program Assistant: Albertina Henry and Sandra Williford



Albertina Henry, Nutrition Program Associate: Success Story

This success story comes from the lesson 2, Eating from the garden - plan, shop, and save. In the lesson I taught the participants how to write a grocery list and how to use the local grocery ads to save money. One of the participants didn't know that certain vegetables and fruits were cheaper when they're in season. She told me that next time she visits the store she will write a list and use her local ads and coupons to save money. Due to the class, this mother now has new knowledge that will help her save money. I was very encouraged by knowing the impact she received from what she learned will help her save money by planning.

University of Missouri Extension's Family Nutrition Program (FNP) reached a total of **5,993** participants. Of that number; 4,290 were direct and 1,703 indirect nutrition education in Butler County during 2016. A significant percentage of these participants were low income. FNP provides information on nutrition, food safety, gardening, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.



Nutrition Program Associate, Sandra Williford, Sacred Heart Elementary

The Family Nutrition Program (FNP) brought \$8,582,289 in Federal funds to the State of Missouri to provide nutrition education to 951,652 food stamp recipients and food stamp eligible citizens. Of these participants, 5,993 reside in Butler County. Participants are more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increased their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult, be part of a healthy labor force and reduce healthcare costs over a lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

Schools:

- Oak Grove School
- Hillview Elementary
- Naylor Elementary
- Neelyville Elementary
- O’Neal Elementary
- Qulin Elementary
- Poplar Bluff 5th and 6th Grade Center
- Sacred Heart Catholic School
- Lake Road Elementary
- Poplar Bluff Kindergarten Center

- Agencies:** Haven House, Neelyville Head Start, Christian Community, Kids Corral Daycare, Central Missionary Baptist Church , Neelyville Neighborhood Center, Butler County Health Department, Bullock’s Pre-School Playhouse, Broseley Senior Center, Broseley Pre-School, Child Concern Center, Recycling Grace, Independent Living Center, Qulin Nutrition Center, Broseley Head Start, Broseley Nutrition Center, Caring Communities of Butler County, 1st Methodist Church (Teen parenting class), Southern Charm Day Care, Agape Day Care, Sears Youth Center, Poplar Bluff Library, Summit Terrace Senior Housing, Family Counseling Center, and Northside Nutrition Center.

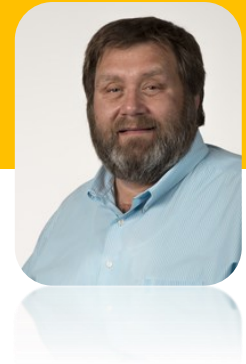


Nutrition Program Associate, Albertina Henry during 4-H Day Camp



Sandra Williford, Nutrition Program Associate: Success Story

While doing a recent summer school program, I had some of the same first and second grade students in my classes that were in a previous class I did at their elementary school in the spring. During the previous spring classes I used the Kids in the Kitchen curriculum with a different recipe each time. The children seemed to be very excited to see me and tell me they had made some of the recipes at home from the Kids in the Kitchen cookbook I gave them at the end of the previous lessons. We also made many of the recipes during the classes and some of them could remember each one we made. We discussed how using foods from each of the different food groups can make healthy snacks that are fun to make and delicious to eat! Most of them had been very creative while making them and more willing to try some of the ingredients they thought they wouldn't like. Many of the students also told me they couldn't wait for "cooking class" again next year. It is awesome how the children utilize the knowledge that they learned from class.



Boots to Business Reboot (8 hours of intensive training) for entrepreneur course for veterans of all situations.

- ◆ This program helps veterans decide if they want to start a business. By strategically thinking about the decision, they are better prepared if they do (26 attendees).

IMPACT: By increasing the knowledge base of Butler County residents & business owners, the chances of a business being successful are significantly increased.

LEAD (Leaders in Economic Alliance Development)

- ◆ How to develop a Strong LEAD team
- ◆ How to work together as a LEAD team
- ◆ Hosting a civic forum
- ◆ Putting it into action

The five counties of Reynolds, Carter, Wayne, Ripley and Butler undertook a project of helping the region become completely workforce ready (60 total attendees).

IMPACT: By having all five counties certified as workforce ready, it will enable employers to more easily hire people with the right skills for the job.

Individualized counseling (A total of 62 hours) included the topics:

Marketing/Sales; Managing a Business; Financing/Loans; Start up

Business Planning; Government Contracting

- ◆ A total of **68 clients** [31 male/female owned business; 20 male owned businesses; 14 women owned businesses; 21 clients for Procurement Technical Assistance Centers (PTAC) and 47 total clients for Small Business Technology Development Centers (SBTDC)] participated in individualized counseling to prepare and plan for a business. This preparation helped them make an educated decision on their future.

IMPACT: Butler county residents became more business minded and aware before moving on a new business and perhaps increasing debt or bankruptcy.



Butler County Fair



The extension center helps to set-up, judge, award and record winning entries for the home economics and youth exhibits with help from FCE members and Master Gardeners as well as the fair board. The adult and youth entries were housed inside the Black River Coliseum. The 4-H/FFA public speaking contest was also held at this venue.

As the Butler County Farm Family the Patterson Family represented Butler County at the State Fair. Standing front and center is Jesse Patterson. The second row from left to right is: Hannah and Thomas Patterson, Lowell Mohler - State Fair Commissioner, Cindy and Eric Patterson. In the back row is Marshall Stewart - Vice Chancellor of Extension and Engagement, Sherry Jones - State Fair Commissioner, Mark Wolfe - MO State Fair Director, Richard Fordyce - Director of Agriculture and Blake Hurst - President, Missouri Farm Bureau.



Annual Ag Expo

Promote Agriculture and Natural Resources,
University of Missouri Extension and Three Rivers College Ag Club

Youth are encouraged to enter photography and baking contests during Ag Expo. Shown here is the 2016 grand champion for baking.



The Heartland Agricultural and Natural Resources Expo (Ag Expo) was first held in 1987 and has become an annual event in the southeast region of Missouri. Ag Expo is jointly sponsored by the Butler County University of Missouri Extension Council and the Three Rivers College Ag Club. The event was started to increase public awareness of the impact of agriculture and natural resources in our region. The Ag Expo educates an estimated 8,000 citizens about agriculture each year.



Shown below: grain bin safety training was conducted through support from the National Education Center for Agricultural Safety for emergency personnel during ag expo in 2016.



MU Extension FY2016 Continuing Education

Missouri Training Institute: 23 Butler County residents enrolled to enhance their job skills. The Missouri Training Institute provides continuing education programs in business, custom-designed training programs, and consulting services for business and industry, public and nonprofit organizations, and educational institutions. Training programs cover human resource management, supervision, management, leadership, team building, effective decision-making, dealing with generational differences and business writing. The institute's consulting services cover human resources, strategic planning, board development and board retreats. In FY 2016, 11,962 people enrolled in the institute's statewide programs. For more information, visit mti.missouri.edu.

MU Conference Office: 48 Butler County residents utilized the 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 2016, the MU Conference Office registered 12,215 people statewide for conferences on teacher education in math, science and writing; pesticide applicator training; youth leadership programs for students with disabilities; and many other topics. For more information, visit muconf.missouri.edu.

Continuing Medical Education: 12 Butler County residents enrolled. CME/PLL serves both MU Extension and the MU School of Medicine by educating physicians and other health care providers, improving the standard of care across the state of Missouri. In FY 2016, CME/PLL offered noncredit programs, courses and activities to 30,260 participants. Visit medicine.missouri.edu/cme/about.html for more information.



MU Nursing Outreach: 10 Butler County residents sought continuing ed. 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 2016, Nursing Outreach helped 1,950 statewide health care professionals participate in a nursing outreach programs serving a predominantly rural health care audience with high-quality, affordable continuing education programs using face-to-face, Web-based and online delivery methods.

Fire and Rescue Training Institute: 54 Butler County residents participated in the training offered. MU FRTI is charged with providing comprehensive continuing professional education and training to Missouri's fire service and emergency response personnel. The institute has a direct impact on the well-being and protection of Missouri's firefighters and the 6 million people they serve. Courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation, as well as fires. In FY 2016, MU FRTI trained firefighters representing all 114 Missouri counties for a total enrollment of 11,296 fire and emergency responders. For more information, visit mufrti.org.

Butler County - Leader's Honor Roll

The Leader's Honor Roll program is intended to honor outstanding University of Missouri Extension community leaders who have excelled in supporting or co-teaching named programs. Those honored for their service will have their names engraved on a plaque at the University of Missouri – Columbia campus.



Linda Allen has served as an appointed and elected member of the Butler County University of Missouri Extension Council since 2010. She is active on the council attending most all of the meetings. She volunteers her time helping at the Ag Expo with the baking and photography contest. Linda has served on the Women Aware curriculum committee for the past several years volunteering her time to help the committee secure topics and speakers for their annual conference. This summer she attended the food preservation workshop and as a result started canning for her family. She has devoted many hours to University of Missouri Extension and is worthy of the Leader's Honor Roll .

The Leader's Honor Roll was also given to Dorothea Lasley. Dorothea has been a Master Gardener since 1994. Dorothea has participated in the in-school gardening program sharing her love of gardening with area second graders. Although she does not pull weeds as well as she used to, Dorothea has found a way to continue her contributions by spending many hours at the Butler County University of Missouri Extension Center packaging seeds for the Poplar Bluff Master Gardener's in-school gardening program. Dorothea has been a lifesaver at Ag Expo time counting flyers for schools in Butler County and surrounding counties – to the tune of 25,000 flyers each year. When the master gardeners or the University of Missouri extension needs a helping hand, Dorothea is there, and can be counted on to help. For that reason, we place her on the Leader's Honor Roll .

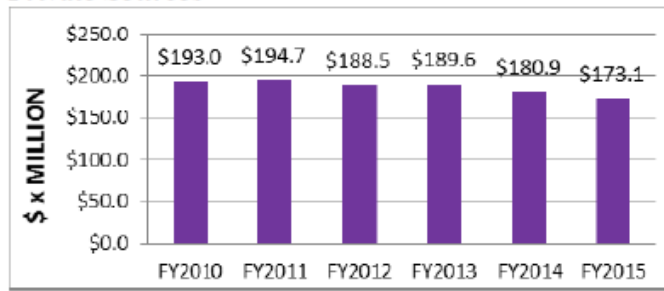
Supporting the University of Missouri is an investment in the future of Missouri.

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.



Impact on Butler County, Missouri

UM Research Expenditures Funded by Federal and Private Sources



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

Economic Development Highlights

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

Electronic Services to the State in 2016

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

Financial Aid Provided to UM Students in 2016

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

Education Highlights

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

Supporting the University of Missouri is an investment in the future of Missouri.

The university advances Missouri citizens and communities through its mission of teaching, research, public service, and economic development across our four campuses and University of Missouri Extension.

Prepared in December 2016, based on the best available data.

Data Sources include: Missouri Office of Administration • UM IR • Office of Social and Economic Data Analysis (OSED) • Center for Applied Research and Environmental Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Dept of Health and Human Services • National Science Foundation