



University
of Missouri
Extension

Taney County
2016
Annual
Report

RETURN ON INVESTMENT

UNIVERSITY OF MISSOURI
 Extension



2016 PROGRAMS OF DISTINCTION

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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



December 2016

Taney County Commission
Courthouse
Forsyth, MO 65653

Dear Commissioners:

The University of Missouri Extension council and staff would like to thank the Taney County commissioners for their support and funding for programs during this past year. The council and staff remain committed to improving people's lives by helping them meet the opportunities and challenges of the 21st century with research-based education and information.

County residents decide the direction of extension's educational programming. Current areas of emphasis in Taney County focus on families, youth development, environmental issues, business development, agriculture, gardening, consumer and family economics, nutrition education and human development issues.

University of Missouri Extension works as a partnership of the University of Missouri campuses, Lincoln University, the people of Missouri through county extension councils and the Cooperative State Research, Education and Extension Service of the U.S. Department of Agriculture. The mission of MU Extension is to "serve Missouri by extending the unbiased research-based knowledge and problem-solving resources of the University of Missouri and Lincoln University to focus on high-priority needs of people throughout the state." The University of Missouri and Lincoln University are Missouri's two land-grant universities, charged by federal acts of Congress to deliver extension programs.

Current programming efforts statewide focus on agricultural profitability and viability, building family and individual strengths, building human resources, business, community and economic development, enhancing health and nutrition, environmental quality and stewardship and youth development.

The contents of this report are a summary of the highlights of our educational efforts during the past year in Taney County. The Taney County MU Extension staff specialists are also assigned to cover and provide programming in their specific areas of expertise for the southwest region of Missouri. We hope that this report provides a greater understanding about University of Missouri Extension programming efforts in Taney County.

Submitted by,

Kris Peters

Extension Council Secretary

Angela Leist

County Council Chair

Nellie Lamers

Program Director

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

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Agriculture

Forage and Feeds 101 Livestock/Forage Conference



Tim Schnakenberg
Agronomy Specialist

Will Knuckles
Agronomy Graduate
Assistant



Dr. Randall Wiedmeier
Livestock Specialist

Jim Spencer
Ag Business Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
60 Taney county farmers attended the Forage Improvement Tour at the Neal Farm in October.	Two hours of instruction were provided for participants for a total of 120 hours of collective workshop participation.	The event was designed to create discussion and change on Taney County farms on forage improvement. The event included a review of the Danny and Brenda Neal farm on weed control, forage diversity and wrapped baleage use. Other topics covered included: <ul style="list-style-type: none"> • novel endophyte fescue research, and • marketing meat off the farm. 	Participants were better equipped to evaluate forage options on their farms. The use of improved forages, better establishment and harvest practices was incorporated by the participant's attendance. Participants gained knowledge of the value-added opportunity of direct marketing meat.	Farm producers have no other research-based sources to turn to when seeking information that will help them provide safe and affordable beef for the marketplace, in a way that is sustainable for their farm operations. This program addressed a need regarding efficient use of forages that amount to at least half the costs of raising livestock. Branson Bank sponsored this tour.
52 Taney county full and part-time beef producers attended the Livestock and Forage Conference at Forsyth.	Two hours of instruction were provided for over 100 hours of collective meeting participation.	This annual event focused on the following topics: <ul style="list-style-type: none"> • understanding expected progeny differences and timed artificial insemination of cattle, • fine-tuned forage fertility, and • poisonous plants in pasture. 	Participants were better equipped to make informed decisions regarding how to evaluate herd bulls by the numbers instead of sight alone, how to fertilize pastures and hayfields efficiently, and how to identify and treat poisonous plants in pastures.	Taney County farm producers are an economic generator for the local economy. When they suffer economically, their farm product suppliers (feed and fertilizer dealers, hardware stores, fuel suppliers, seed dealers, etc.) also suffer. Their economic situation can tie directly to food costs in grocery stores. This program addressed ways this sector in the county economy can remain viable. This program was sponsored by Southern Bank, First Community Bank of the Ozarks and Branson Bank.
Homeowners, city water departments, farmers and gardeners.	43 soil fertility tests processed for farms, gardens, lawns and fields	Contents of nutrients in their soil and the proper fertilizer application levels.	Unbiased, reliable fertility testing and research based information.	With the increased prices of fertilizer today, farmers and gardeners continue to need information based on unbiased fertility testing and research provided by the University of Missouri Extension.

Agriculture Pesticide Applicator Training



*Tim Schnakenberg
Agronomy*
*Will Knuckles
Agronomy Graduate
Assistant*



*Dr. Randall Wiedmeier
Livestock Specialist*

*Jim Spencer
Ag Business Specialist*



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
24 farm producers participated in safety training pertaining to pesticide use in Taney county.	A three-hour class is offered for all participants, resulting in 72 hours of collective meeting instruction.	Participants were given safety training in the areas of <ul style="list-style-type: none"> • pests and pesticides, • personal protection equipment, • environmental safety, • understanding a pesticide label, • calibration and nozzle selection, • container management, and • drift prevention. 	Farmers who attend these trainings come away better informed of the dangers and precautions necessary when using pesticides. Evaluation tools have indicated they have increased their awareness and changed their handling and application strategies following the program. Several have decided to turn pesticide applications over to commercial applicators.	Considering Taney county's valuable natural resources, pesticide applications can be safely done when applicators have been properly trained and follow label requirements. Pesticides can be an important part of food production in the county. The applicators who purchase restricted-use pesticides are trained every five years.

2016 AGRICULTURE PROGRAMS



David Middleton, extension farm educator with Lincoln University discusses opportunities for direct marketing of meat off the farm at the fall Forage Improvement Tour near Taneyville.



Patrick Byers, regional horticulture specialist, discusses fruit and vegetable production in the Growing the Grower workshop series in Branson.



Farmers attending the private applicator training in Taneyville.



Patrick Byers, regional horticulture specialist, and Will Knuckles, agronomy assistant, discuss fruit tree pruning with Eric and Hope Bright during a farm visit in association with the Grow Your Farm project.

Horticulture

Patrick Byers
Horticulture Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
51 horticulture soil test reports were prepared	51 hours	Soil test reports outline soil chemical characteristics, and include management recommendations.	Soil test clients used the soil test reports to plan fertility management, and to apply only needed fertilizers. Clients saved money by reducing unneeded fertilizer applications.	The proper use of fertilizers reduces problems associated with fertilizer movement away from target areas, which affects water and soil quality. In particular, excess fertilizers affect storm water quality.
6 visits to farms in Taney County were conducted.	12 hours	Farmers learned science based horticultural practices.	Farmers used the information shared during the farm visit to help guide management decisions. Farmers saved money by making informed decisions.	Farmers who are profitable and successful contribute to the sustainability of themselves and their families, to the sustainability of the natural resources on their farms, and to the sustainability of the economy in Taney County.
10 families participated in the Grow Your Farm program	300 hours	Farmers learned how to develop a business and marketing plan for their farms.	Farmers developed a business plan specific for their farm.	A business plan is critical to ensure profitability for new and existing farms. Farmers with business plans are a successful part of the economy of Taney County.
25 people participated in a home fruit production/gardening workshop at John Padgett's farm	50 hours	Home gardeners learned how to select the best fruit varieties, how to grow fruit plants, and how to manage insects and diseases.	Home gardeners applied the knowledge gained during the workshop in their home gardens.	Enhanced gardening skills add to self-esteem and the ability to build the personal and local food supply.
51 people participated in 6 educational classes organized through the Growing the Grower project	102 hours	Established and prospective farmers learned about the production and marketing potential of small-scale specialty crops, meats, and aquaculture.	According to short-term impact surveys, participants planned to investigate opportunities for diversification into small-scale specialty crops and livestock.	Farmers who are profitable and successful contribute to the sustainability of themselves and their families, to the sustainability of the natural resources on their farms, and to the sustainability of the economy in Taney County.

Business Development Education

Education Plus Action Solutions for Business Development

Chrystal Irons
Business Development Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
<p>35 Taney County residents/businesses received free business counseling through Taney County MU Extension Small Business and Technology Development Center.</p> <p>8 Taney County citizens attended small business workshops to enhance their knowledge and skills about business start-up, management, internet marketing and succession planning.</p> <p>Additional area residents were reached through radio and educational publications in Taney County.</p> <p>Participants and clients include</p> <ul style="list-style-type: none"> • small business owners in the service, construction, entertainment, food/hotel accommodation and retail industries, • prospective entrepreneurs, • community leaders, • local townships, • non-profit organizations, and • displaced workers. 	<p>172 hours were dedicated to providing one-on-one counseling with business clients during 154 counseling sessions</p> <p>24 hours of collective workshop participation from Taney County citizens/businesses for business education</p> <p>3- two part workshops provided to area entrepreneurs on <i>The Successful Business: Planning and Funding</i>.</p>	<p>Counseling sessions and workshop evaluations show participants learn:</p> <ul style="list-style-type: none"> • when and how to begin business succession planning, • to effectively work with commercial brokers, financial planners, and accounting and legal professionals to implement a variety of operational and planning strategies to maximize business value, • how to successfully manage generational and personality differences when building effective relationships with employees, • how to set team boundaries and communicate team expectations to increase the commitment and performance of employees, • how to implement, maintain and evaluate online marketing strategies, • how to execute customer retention campaigns using social media platforms, • the current social media environment and how to take advantage of these facts when developing an online marketing strategy. 	<p>Clients receiving business assistance through the MU Extension SBTDC in FY 2016:</p> <ul style="list-style-type: none"> • started 1 new business, • created 4 new jobs • experienced sales increases of over \$60,000 • obtained loans and investments of \$549,000 • acquired 6 awards, valuing \$230,978 in government contracts. <p>Participants and clients:</p> <ul style="list-style-type: none"> • created business plans to obtain financing and use as a strategic planning tool to operate and expand their businesses, • evaluated business feasibility through planning and market research studies, • adhered to government regulations when starting their business such as registering for a fictitious name, filing proper forms and applying for required licenses and permits, • increased sales through new market penetration and implementation of targeted marketing strategies, • implemented accounting software such as QuickBooks to help them monitor and analyze financial performance. 	<p>Entrepreneurs, business owners and managers who participate in educational workshops build a strong foundation in business knowledge. Those who undergo the process of continuous education learn more about their own business and gain a better understanding of the market in which they operate. This allows businesses to strategize their growth, seize opportunities, as well as identify and avoid possible threats. Businesses are able to plan for success. Successful businesses promote growth and stability in the local and state economy.</p> <p>As entrepreneurs and innovators, Missouri's small businesses are becoming a more diverse group that continues to make the state's economy productive. In assisting the 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.</p> <p>When you support MU Extension's Business Development Program, enterprising Missourians receive information and training to successfully start, run and expand businesses. This increased business activity creates jobs, increases consumer demand, promotes economic development and generates tax revenue for the public's welfare.</p>

Family Financial Education

Education Plus Action Solutions for Family Financial Success

Nellie Lamers
Family Financial Education



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
<p>88 Taney County participants including:</p> <ul style="list-style-type: none"> • Taney County Ozarks Area Community Action Corporation clients, • probation and paroled citizens, • drug court participants, • local business employees, and • citizens and residents not associated with a particular agency. 	<ul style="list-style-type: none"> • 220 hours of collective learning by Taney county residents. • Making Money Count Sessions: Making Decisions, Communicating about Money, Creating a Spending Plan, Record Keeping and Taxes • Health Insurance Education Initiative Sessions • Supervisory Series: Building Effective Relationships, Communicating Successfully, Coaching Employees, Legal Responsibilities • Lunch and Learn: Communicating with Tact, Diplomacy and Professionalism 	<p>Evaluation of the various workshops show participants learned:</p> <ul style="list-style-type: none"> • how the Affordable Care Act affects them and their families, how to compare health insurance plans, how to get help enrolling in the health insurance marketplace, • how to track monthly Income, fixed, flexible and periodic expenses, • how to create a budget based on income and expenses, • the website where you can get a free credit report annually-annualcreditreport.com, • how to deal with difficult people, why professionalism is important, how to create the appropriate climate and context to empower individuals and teams and how to fulfill the legal responsibilities of the supervisory role. 	<p>One hundred percent of the participants had written financial goals by the conclusion of their work.</p> <p>Participants reduce their financial stress and take positive actions such as:</p> <ul style="list-style-type: none"> • preparing a spending plan/budget and using it control spending, • establishing or adding to emergency and other savings funds, • obtaining a copy of their credit report, • keeping records of credit use, • organizing their financial records, • paying credit card bills on time and making more than the minimum payment, • reducing credit card balances and paying off debt, • finding how much credit costs before using it, • setting one or more financial goals, and • purchasing a health insurance policy. 	<p>When you support MU Extension's:</p> <p>Family Financial Education programs, participants spend and borrow responsibly, save more and gain control over their financial health. These behaviors benefit other community members by reducing predatory lending and reliance on public assistance programs, reducing theft and lowering banking fees.</p> <p>Making Money Count program, participants learn to communicate more effectively with family and professionals about finances which leads to reduced financial stress and increased success in reaching financial goals, which benefits other community members by reducing debt discharged in bankruptcy and improving the business climate in the county and in Missouri.</p> <p>When Creditors are Predators (Predatory Lending) program, participants learn how predatory loans work and what they cost, establish emergency savings that will help to avoid the need for predatory lenders and use quality lenders when borrowing is necessary. This leads to reduced cost of credit for low-income families and freeing up money that would have been spent on interest and fees for predatory lenders so families can address additional financial needs, which benefits other community members by decreasing the number of predatory lenders operating in Missouri and creating a more stable environment for quality lenders.</p>

Family Financial Education

Education Plus Action Solutions for Family Financial Success

MoTax Initiative – VITA (Volunteer Income Tax Assistance)

Nellie Lamers
Family Financial Education



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
<p>1150 Taney County taxpayers served by the program include:</p> <ul style="list-style-type: none"> • low to moderate income working families, • students, • senior citizens, • single parent households, and • disabled residents. 	<ul style="list-style-type: none"> • 2250 hours of collective learning by Taney County residents • 10 VITA volunteers provided 996 hours to the project in Taney County (a value of \$22,051). 	<p>Evaluation shows participants learn:</p> <ul style="list-style-type: none"> • what credits they are eligible for, • how to determine the amount they should have withheld from their income sources, • about health insurance requirements, how their taxes will be affected and options for getting health insurance (volunteers went over handout clients were given on the Affordable Care Act), • about tax planning, options and future deduction possibilities. • All volunteers passed Standards of Conduct, Intake/Interview/Quality Review and Advanced Certification tests. 	<ul style="list-style-type: none"> • Purchased necessities, thus spending and recirculating money in Taney county, • paid bills, • reduced or paid off debt, • established or increased emergency savings, • repaired or replaced their vehicles. 	<p>When you support MU Extension's MoTax Initiative program, participants save an average of \$200 (currently) in tax preparation fees per year, avoid high-cost refund anticipation loans, and learn basic financial management strategies which leads to establishment or increase of emergency savings, which benefits other community members by reducing demand for public assistance, stabilizing the county tax base and stimulating the economy, beginning in the taxpayer's community, through federal and state tax refund dollars and dollars from tax credits.</p> <p>VITA volunteers prepared 1,911 federal and state tax returns for taxpayers in Taney county. Families received \$733,802 in Federal Income Tax refunds including \$321,668 in EIC and \$253,120 in state refunds. In addition, the taxpayers saved \$189,400 in tax preparation fees. The economic impact of the VITA program to the economy of Taney county is estimated at \$2,467,305.</p>



Andrew Zumwalt with Stone and Taney county volunteers at VITA training before the start of the tax season.



Taney County presiding commissioner, Mike Scofield, accepting recognition award for the commissioners from Nellie Lamers, program coordinator.



Taney County volunteers, Kris Peters, April Saunders, Annette FitzGerald, Bob Davis, Sharon Thompson, Luanna LaVielle-Fullerton and program coordinator, Nellie Lamers. Not shown: Joe FitzGerald, Dr. Mike Hyde and site coordinator, Jody LeMaster.

Human Development

Education Plus Action Solutions for Better Lives

Jim Wirth, Ph.D.
Human Development Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
A total of 1,431 Taney County residents served through 101 programs	2,147 hours of collective learning in Taney County programs	How to understand and accept life changes and challenges	Increased awareness of personal changes	Increased knowledge and tools to improve their quality of life and that of those around them.
<p>Programs in Taney County included:</p> <p>25 programs for 375 attendees in <i>profession/personal enrichment programs</i></p>		<p>Life Skill programs presented</p> <ul style="list-style-type: none"> • Civility vs. Incivility • Communicating Effectively • Dealing with Difficult People • Habits of Effective People • Leadership Development • Managing Emotions • Setting Goals • Spectrum Temperament • Management • Stress and Balance 	These programs increase personal, interpersonal and social competencies so that participants can maintain sobriety and be a contributing member of society.	Participants in this type of educational programming learn how to create and maintain healthy relationships and become more effective in their life endeavors.
7 programs for 163 attendees in <i>Child Care Provider Trainings</i>		Building Better Child Care series: "Special Issues in Childcare Curricula"	These classes provide center and home-based childcare providers with useful resources and ideas to help them improve their childcare facilities. These classes also fulfill the state-mandated requirements for providers working in a licensed facility.	Participants in Child Care Provider training programs increase their knowledge and skills for working with children of different ages and stages of development in multiple competency areas, which leads to increased access to safe, healthy and nurturing environments for the community's children and families.
13 programs for 238 <i>seniors and retirees</i>		Senior enrichment on many topics: • Community needs/resources • History and art	These programs increased the quality of life for seniors by offering information, resiliency strategies and enjoyment.	Human development education has the potential to provide residents with the knowledge and tools to improve their quality of life and that of those around them.
15 programs for 139 <i>seniors on healthy living</i>		How to manage some self-help aspects of health such as chronic disease, exercise, and preventing falls.	Most respondents made action plans to increase their exercise and to work on flexibility, balance, and strength.	These programs help people with confidence and skills to control their symptoms, to help them keep active in their lives, and to prevent falls that would limit independent living.

Human Development - continued

Jim Wirth, Ph.D.
Human Development Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
17 sessions for 69 <i>Latino attendees in English Language Learner classes</i>		Learning English for the Latinos: learning basic survival conversational English & U.S. cultural ways	Participants began to carry on English conversations to meet every day needs.	This language and cultural orientation helps newcomers integrate into the U.S. society.
2 programs on topics of <i>diversity</i> for 140 attendees with particular emphasis on a community resource fair for Latinos		Learning about recent trends and issues in integrating immigrants and communities.	These programs helped both newcomers and host communities in adjustments.	These programs help citizens implement inclusionary processes in society. Taney County had its first countywide resource fair exhibiting health & social services for Latinos.
6 classes for 82 attendees in programs on <i>building strong marriages & building strong families</i>		Topics such as: • Positive parenting • Relationship education • Building protective factors for families	These programs increase the quality relations in marriage and parenting through effective information and communication skills.	Participants in this type of educational programming learn how to create and maintain healthy relationships and become more effective in their life endeavors.
7 programs for 60 attendees on <i>Healthy Living</i>		Topics such as: • Emotional Healing • Stress; Nutrition • Coping with Suffering	These programs helped to increase healthy problem solving in times of adversity.	Participants increase their resilience in meeting life's problems and thus make for better contributing citizens.
9 programs for 165 attendees from local community groups		Community/social issues: • Environmental stewardship • Citizenship • Community change	These programs increased awareness of the current economic and healthcare trend.	Future generations continue to benefit because of improved family, community, and partner relationships.
1,493 non-Taney County residents were served in 52 additional programs in the southwest region.				

Childcare providers in a "Building Better Childcare" program presented by Dr. Jim Wirth, which was part of four sessions, presented for local childcare providers to help them complete their annual state-mandated requirements for providers working in a licensed facility.



Nutrition Education Programs

Reaching Youth and Adults with Nutrition Education

Barbara Beck
Nutrition Program Associate



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
<p>2,487 Taney County youth and 20,719 adults were served through schools, community groups and agencies:</p> <ul style="list-style-type: none"> • Bradleyville Elementary, • Branson Buchanan, Elementary and Intermediate Schools, • Branson – Cedar Ridge Elementary and Primary Schools • Ozark Area Community Action Centers Head Start programs in Branson, Kissee Mills and Hollister, • Forsyth Elementary, • Taneyville Elementary, • Mark Twain Elementary, • Boys & Girls Club of the Ozarks, Branson • Southwest Missouri Office on Aging, Branson and Forsyth Senior Centers, • Christian Action Ministries – My Neighbor's Pantry in Branson and Forsyth, • Church Army Branson • Salvation Army - Branson Pantry, • Taney county Food Stamp office, and • Branson WIC Clinic • Bridge of Faith Community Church • Country Mart 71 	<p>14,922 collective hours of classroom teaching.</p> <p>Adult time ranges from 15 minutes to a half hour each.</p>	<p>Family Nutrition Education Programs (FNEP) bring the latest nutrition information, including the current Dietary Guidelines for Americans and the USDA food graphic, to low-income Missourians. FNEP helps clients achieve lifelong health and fitness. Paraprofessional nutrition educators work with clients individually and in groups — in schools and at agencies. Clients gain skills that pave the way for nutritional well-being and health.</p> <p>Children learn all this and more: trying new foods is fun, healthy food from the start, comfort food for life, physical activity is fun, do what you like best, food safety means better health, health means lots of energy to play and learn.</p>	<p>Youth who participated in the program showed significant improvement in the following areas</p> <ul style="list-style-type: none"> • 92% are more aware of nutrition, • 68% make healthier meal and/or snack choices, • 49% eat breakfast more often, • 83% are more willing to try new foods, • 83% improved hand washing, • 40% improved food safety other than hand washing, and • 62% increased physical activity. <p>Adults who participated in FNEP showed significant improvements in the following areas:</p> <ul style="list-style-type: none"> • 56% think about healthy food choices when deciding what to feed their families, • 67% use the "Nutrition Facts" label to make food choices, • 56% consume something within two hours of waking, • 55% consume the equivalent of 3 cups of milk, yogurt and cheese each day, • 56% eat more than one kind of vegetable each day, • 57% eat more than one kind of fruit each day, and • 53% exercise for a total of 30 minutes each day. 	<p>Participants in the Family Nutrition Program become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase both their physical activity and make healthier food choices. Those who practice healthy eating and physical activity are more likely to enjoy a high quality of life as adults and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. This important programming reduces health care costs over the participant's lifetime, saving taxpayers money in reduced public health care benefits and insurance premiums.</p>

Nutrition Programming in 2016

Barbara Beck, NPA for Taney County, loved teaching 'Kids in the Kitchen' with the 4th-6th graders at Buchanan Intermediate School. This was an after school program for the 'Fit Club'.



"Eating yummy, healthy foods, and getting exercise (playing outside) – 2 of our favorite things!"

Mark Twain School

Barbara Beck, NPA for Taney County, enjoyed partnering with Willa Williams, 4H Youth Development Specialist, to teach 'Eating From the Garden'. They used pallets for the fall gardens at Mark Twain Elementary and had a successful harvest of spinach, lettuces, and radishes! 'Entomology', and 'Drones', were just two of the lessons that Willa added to our program with fun, educational and captivating, activities.



Branson OACAC Head Start

Teaching the 'Grow it, Try it, Like it' curriculum, with Branson OACAC Head Start, was a fun and successful summer program for everyone!



Forsyth Senior Friendship Center

Barb presented "Eating Smart, Being Active" to the seniors at the Forsyth Senior Center. The program is eight lessons.

The Lesson Titles and Focus:

- Get Moving! (physical activity is part of a healthy lifestyle)
- Plan, Shop, \$ave (how to stretch your food dollars)
- Fruits & Veggies: Half Your Plate (how to increase amount and variety of fruits and vegetables)
- Make Half Your Grains Whole (identify whole grain foods and why whole grains are beneficial)
- Build Strong Bones (calcium rich foods and weight bearing activity help build strong bones)
- Go Lean with Protein (choosing lean sources of protein and how to keep food safe)
- Make a Change (choosing foods low in fat, sugar, and salt)
- Celebrate! Eat Smart and Be Active (review of key concepts and how to involve family in good food choices)



Nutrition Education Programs

Pam Duitsman, Ph.D.
Nutrition Specialist



Number of Taney County Residents Served	Total Hours of Collective Workshop Participation in 2015	What Did They Learn?	What Action Did They Take?	How Does This Work Make Taney County and Missouri Better?
75 Youth 105 Parents, teachers, community adults	5	<p>Title: Forsyth "Grow Healthy" Jr. Chef Event</p> <p>Kids learned cooking skills, how to choose and work with healthy ingredients, and recipe development.</p> <p>Over 75 kids participated as Jr. Chefs in this competition, along with over 105 parents/friends from the community. Twelve teams of Jr Chefs from K-8th competed, and the winners were featured on Ozarks Live with their recipes. The event was funded by the "Grow Healthy" grant through OWNit, and implemented through partnership with the school and community partners.</p>	Remarks from school families included that they are cooking together as a family since beginning preparation for this competition, are discussing food choices and grocery shopping, and are working on low-cost healthy recipes together.	Understanding whole food, how to purchase, store, prepare and serve delicious food improves the chance of them being consumed. Eating whole foods as opposed to processed and refined foods has a strong impact on health promotion and disease prevention.



JR Chef Event



4-H Youth Development Education

A community of youth building life skills, engaging in science and connecting to their community.

Willa Williams, Ph.D.
4-H Youth Development Specialist



Taney County 4-H Participants	Taney County 4-H Volunteers	What Did They Learn?	Success Story	How Does This Work Make Taney County and Missouri Better?
<p>Taney County 4-H is a growing community of almost 4,000 youth, volunteers, and sponsors helping youth build life skills, engage in science and aid their community.</p> <p>4-H participants = 77</p> <p>Taney 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 to veterinary science. Clubs also involve children and teens in community service, camping and educational trips.</p>  <p>4-H program participants = 3,630</p> <p>Taney County 4-H enrichment programs are short-term educational experiences that included back to school fairs, Branson STEAM night and Block Party, BioBlitz, and Science Saturdays.</p>	<p>4-H participants are supported by 16 youth and adult volunteers. Taney County volunteer time was valued at \$30,686.40 in 2016 (valuing their time at \$21.31 per hour, based on average Missouri incomes)</p> <p>Volunteers create, support and are part of the 4-H community. Missouri 4-H volunteers responding to a survey report they contribute on average 100 hours per year. More importantly, these adults serve as mentors for our youth helping them transition into community-minded citizens.</p> <p>One of every five Missourians between the ages of 5 and 18 participated in a MU Extension 4-H Youth Development program in 2016.</p> 	<p>100% of Taney County 4-H members were enrolled in science related projects.</p>  <p>The most popular 4-H school programs in Taney County included rocketry, catapults, and the 2016 National Youth Science Day activities related to drones and aircraft design.</p> <p>Popular club activities included shooting sports disciplines, livestock, arts, outdoor adventures, and Clover Kid projects for youth 5 to 7 years old.</p>	 <p>Taney County 4-H reached many benchmarks in 2016, one of which was hosting a Recognition Banquet during National 4-H Week. Members and volunteers from every club participated in the event and individuals were recognized by the leaders, members, and the Taney County Extension office. It was a time to celebrate and give thanks to our supportive Extension Council, Taney County Commissioners, and event sponsors.</p> <p>An incoming County Commissioner attended the event and afterwards, sent this positive assessment of the program to Taney County employees, "The room was full of adults and children willing to devote their time.... Our children are our future and it was wonderful seeing so many learning and taking part in what the 4-H organization has to offer them. The time these children spend with the 4-H organization helps develop their character for the future of our country."</p>	<p>4-H Youth are equipped with the knowledge, skills, attitudes and health for the 21st century workforce. Missouri 4-H members spend more of their leisure time than peers engaged in projects of interest anchored in science (Khan, 1989). It is no wonder, 4-H members are three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008). 4-H youth are more connected to college campuses and faculty than their friends. MU Extension 4-H connects 8,700 young people to University of Missouri campuses. Being on campus is a predictor of youth going on to higher education (Hoover, 2006). 4-H youth are nearly twice as likely to expect to go onto college (Lerner and Lerner, 2011).</p> <p>Youth, who earn their bachelor's degree, increase annual earnings by \$2 million over their lifetime (NACUBO, 2012). If 50% of the Taney County 4-H members participating in 4-H events on the MU Campus go on to earn their bachelor's, 4-H would help young people earn over \$10 million.</p>



Taney County 4-H provides positive learning experiences for youth



Taney County is growing future scientists.

In 2016, Taney County youth participated in a variety of programs, including school fairs, 4-H Shooting Sports, STEAM night, service learning, and public presentations in their club, school, and community.



Hollister 4-H/FFA hosted a petting zoo at the Grape and Harvest Festival.



Thanks to generous sponsors and 4-H volunteers, Taney County 4-H hosted a livestock show and achievement day with over 5X increased participation.



4-H programs in gardening, rocketry, and more were facilitated in schools.



Trail Blazer 4-H youth showcased her project through a club demonstration.



Taney County youth won 2 Grand Champion awards at Ozark Empire Fair



Taney County 4-H youth continued to participate and even place 1st at Regional and State Shooting Sports competitions.



Trinity Christian Academy now has 2 in-school clubs (Junior & Senior)



Hollister 4-H youth presented his poultry project in school.

Master Gardeners of the Ozarks

Master Gardener Total Impact

The Master Gardeners of the Ozarks continues to expand in the variety of projects they do each year. Sixty-six Master Gardeners who served the entire year and reported turned in a total of 3,857 hours in 2016. They reported making 2,444 contacts with persons in the community in 2016. The first-year Master Gardeners are required to provide 30 hours of service and seasoned Master Gardeners are only required to provide 20 hours. This year the Master Gardeners each averaged 58 hours of service. According to the latest figures from the Independent Sector organization, the hourly wage for Missouri volunteer hours currently is \$21.31. If you put a value on the education and service hours provided to the community, the value totals \$82,190 worth of volunteer time! Tim Schnakenberg served as advisor for the Master Gardener activities in this area.

Membership, Organization and Structure

As of year-end, there were 106 Master Gardeners in the Master Gardeners of the Ozarks chapter. Of these, there are 59 who reside in Stone County, 41 in Taney County, four in Christian County and two who reside in Boone County, Arkansas. The Master Gardeners were lead this year by Danny Manis, president, Bill Greet, vice-president, Marie Ewing, secretary, and Joanne Anderson, treasurer. The chapter met monthly, alternating between locations in Stone and Taney County and the executive committee met monthly between meetings.

Internal Grant Program Funded Five Special Projects

The internal grant committee in 2016 allocated \$2,089 for five projects: Forsyth Demonstration Garden; Kimberling Senior Center, KAL Children's Garden, Bonniebrook and Crane Veteran's Garden. Marie Ewing chaired the committee. Funds for projects originated from local educational program activities.

Eleven Trained in Master Gardener Classes in Branson

At the Master Gardener training offered in Branson this year, eleven participants attended 30 hours of instruction. Participants attended a graduation ceremony at a Master Gardener meeting at Dewey Short.

Gardening Workshops Bring Out 328 Participants!

The gardening public continues to turn to the Spring and Fall Gardening Workshops for reliable advice on gardening in the Ozarks. There were 220 that attended in Branson in March and 108 came to Kimberling City in September. Topics included lavender, vegetable cultivars, pollinator and plant relationships, miniature landscapes, evening gardens, insects in the garden, tips and tricks for vegetable gardening, wild edibles and garden sanctuaries. Two participants commented on the surveys, "This was a really good workshop—best we have had in 14 years"; "The master gardener workshops have always exceeded expectations".



Proceeds from educational activities often go into a scholarship fund. This year Chloe Harper and Emily Pierce, College of the Ozarks students, both received \$1000 scholarships.



The Master Gardener training class of 2016. Eleven people from Stone and Taney counties were trained in Branson.



Ten-year service emeritus recognition in January. Recipients were (L to R) Cathy Preator, Lauree Hanson, Alice Troyke, Bill Walley, Sharon Burgess and David Smith.

Garden Tour Featured Eleven Gardens

Master Gardeners offered their eighth garden tour in June at select locations in the Branson area. Sandra Reames chaired “Gardening in the Ozarks Branson Style” and this tour brought together over 130 participants with numerous volunteers who worked the tour sites.

Six Programs Offered at the Kimberling Area Library

The monthly program at the Kimberling Area Library in Kimberling City has been going on for several years and offered six seminars taught by local master gardeners. There were 171 participants this year, coordinated by Kathryn Kufahl.

Nine Programs Offered at the Demonstration Garden

The Demonstration Garden in Forsyth launched 2016 with “Springtime in the Garden”. This event included an Arbor Day activity, planting a new native plant for the garden and giving away 200 free plants to the public. Master Gardeners presented a leaf casting demonstration. Our first plant sale was held in conjunction with this event. It was well attended and a good profit maker for our organization, but the best benefit was the education interaction that went on with those in attendance learning from Master Gardeners and strolling the Demonstration Garden. The Brown Bag Lunch programs were well attended and were coordinated by Marva Ramsey and committee. They were offered once a month, April through October, and covered a range of speakers/topics from Foraging for Native Edibles to Planting and Growing Berries in the Ozarks. The Evening in the Herb Garden was well attended. MG’s prepared herbal drinks and appetizers and served the public to a free evening of food and informational programming. The season closed with a presentation from Dr. Tom Riley on the Monarch Migration and how we can be citizen scientists. This was attended by all ages and attendees were given informational packets including tags for participating in the Monarch Watch, free nets and milkweed plants. A Tennessee Master Gardener group was also treated to a tour this year in the gardens.

Corps of Engineers Project Office Landscaping

The Project Office near the Dewey Short Center and Table Rock dam is one of the largest garden projects in the chapter. A group of volunteers takes care of garden cleanup, planting, mulching, deadheading, weeding and irrigation. The Corps of Engineers funds this project. Bill Greet chairs this highly visible project.

Education and Improved Landscapes Emphasis

Some of the ongoing projects that made a significant impact in local communities included the KRZK radio show, Bonniebrook Homestead landscaping, Stonebridge Heritage Garden landscaping, Table Rock Project Office landscaping, Shell Knob Senior Center landscaping, Kimberling Area Library Children’s Garden and Stone County courthouse and library landscaping. There are many smaller projects that are too numerous to cover, but combined they make a startling impact throughout our region.



The garden tour in the Branson area this year provided an opportunity for 130 visitors to see eleven gardens.



Master Gardener volunteers planting flowerbeds at the Kimberling Area Library Children’s Garden.



The community has benefited from numerous programs offered at the demonstration gardens in Forsyth.





Impact on Taney County, Missouri

The County at a Glance



□ Population: 53,086

- UM Students: 103
- UM Salary & Retirement Income: \$474,130
- UM Alumni: 512
- UM State Tax Revenue: \$15,421
- UM Employees: 12
- UM Federal Tax Revenue: \$66,640

UM Students from the County in 2016

- 103 students
 - 63 - MU
 - 17 - UMKC
 - 22 - Missouri S&T
 - 1 - UMSL
- 86 - Undergraduates
- 17 - Graduates
- 89 - Full-time students
- 14 - Part-time students

UM Employees and Retirees Residing in the County in 2016

- 12 people employed by UM
 - 7 - MU
 - 1 - UMKC
- 4 - UM Health Care
- 13 UM Retirees and Beneficiaries

UM Alumni Residing in the County in 2016

- 512 alumni
 - 305 - MU
 - 103 - UMKC
 - 60 - Missouri S&T
 - 44 - UMSL
- 223 Selected School Alumni
 - 23 - Medicine
 - 21 - Nursing
 - 7 - Health Professions
 - 18 - Dentistry
 - 14 - Pharmacy
 - 3 - Optometry
 - 6 - Veterinary Medicine
 - 38 - Agriculture
 - 68 - Engineering
 - 25 - Law

UM Alumni Teaching K-12 in the County in 2016

- 17 teachers
- 3% of all county teachers
- 2 principals and administrators
- 6% of all county principals and administrators

UM Services Received in the County in 2016

- 298 patients seen at UM Health Care, with \$172,682 of uncompensated care.
- 8 patients seen at UMKC School of Dentistry with an average of \$54 per patient in uncompensated care.
- 43,087 contacts with MU Extension through MU Extension events held in district counties.
- University of Missouri Health Care's Missouri Telehealth Network provided services to 2 patients at 1 site.

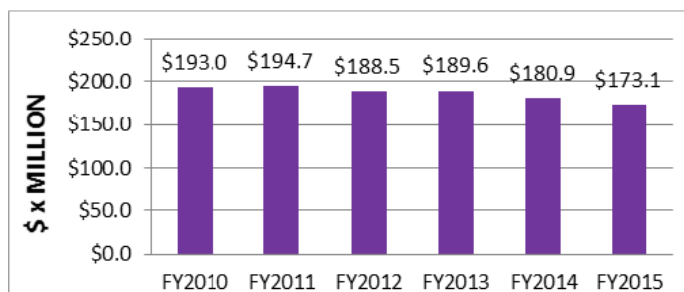
MU Continuing Education Enrollments for Taney County in 2016

- MU Extension Fire & Rescue Training Institute – 254
- MU Extension Law Enforcement Training Institute – 4
- Nursing Outreach Activities – 10
- MU Conference Office – 104
- Missouri Training Institute 13



Impact on Taney 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 more than 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

- Missouri Research & Education Network (MOREnet) provided internet connectivity and technical services to members that include:
 - 59 higher education institution with more than 238,000 students,
 - 521 K-12 schools with 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 2015

- \$916.7 million provided to 58,251 total students
 - \$478.3 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 the 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 the University of Missouri Extension.

Prepared in December 2013, based on available data. Data sources include: Missouri Office of Administration • UM IRP • Office of Social and Economic Data Analysis (OSED) • Center of Applied Research and Environmental Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Census Bureau • US Department of Health and Human Services • National Science Foundations

Taney County Extension Leadership

Plus an Army of Volunteers

Taney County Extension Council Member (An Elected Council)	Taney County Commissioners	Extension Faculty and Staff based in Taney County	Additional Faculty and Staff Serving Taney County
Angela Leist, <i>chair</i> Lynn Craft, <i>vice-chair</i> Kristopher Peters, <i>secretary</i> Ryan Sanders, <i>treasurer</i> Chip Arnette Alan Banta Susan Bearden Bryan Cizek Gayla Haney Darin Hodges Jeff Holder Barbara Hunt Luanna LaVielle-Fullerton Hammons Schanda James Strahan Denver West Marcus Ramsey <i>Protem Representative</i> Mike Scofield <i>Taney County Commission Representative</i> Melanie Smith, <i>Farm Bureau Representative</i>	Mike Scofield <i>Presiding Commissioner</i> Danny Strahan <i>Eastern District Commissioner</i> Brandon Williams <i>Western District Commissioner</i>	Nellie Lamers <i>Family Financial Education Specialist, County Program Director</i> Willa Williams, Ph.D. <i>4-H Youth Development Specialist</i> Jim Wirth, Ph. D <i>Human Development Specialist</i> Barbara Beck <i>Nutrition Program Associate</i> Will Knuckles <i>MSU Graduate Assistant, Agronomy</i> Lynda LaRocque <i>Office Manager</i>	Jay Chism <i>Regional Director</i> Jeff Barber, <i>Housing and Environmental Design Specialist</i> David Burton <i>Civic Communication Specialist</i> Patrick Byers <i>Horticulture Specialist</i> Dr. Pam Duitsman <i>Nutrition Specialist</i> Theresa Fossett <i>SW Region Family Nutrition Program Project Director</i> Amy Patillo <i>Community Development Specialist</i> Chrystal Irons <i>Business Development Specialist, MSU SBTDC</i> Ted Probert <i>Dairy Specialist</i> Tim Schnakenberg <i>Agronomy Specialist</i> Bob Schultheis <i>Natural Resource Engineer Specialist</i> Jim Spencer, Jr. <i>Ag Business Specialist</i> Randy Wiedmeier, Ph.D. <i>Livestock Specialist</i>
 <p><i>Darren and Elise Tilley and family from Protem were chosen to represent Taney County at the 2016 Missouri State Fair Farm Family Day.</i></p>			

University of Missouri Extension – Taney County 2016

State, Federal and County Funding for Extension

University of Missouri Extension programs in Taney County are funded by Taney County, state and federal appropriations. Local funding for support of the Taney County Extension Center is provided by the Taney County Commission. They provide office space, funds for office expenses, clerical salaries and travel expenses of extension specialists who conduct educational programs in Taney County.

University of Missouri's Contribution to County Extension

University of Missouri provides salaries and benefits for three professional and one para-professional staff members headquartered in Taney County.

The University provides in-service training expenses, including travel and lodging for staff, salaries, annual leave, retirement and medical benefits and matching funds for computer equipment costs and maintenance.

RESTRICTED / FUNDS ACCOUNT BALANCES

Center Operations	\$ 15,146.88
Resale	\$ 1,072.22
Soil Testing/Plant ID/Insect ID	\$ 3,888.30
Short Courses	\$ 26,343.49
Savings	\$ 9,205.27
Restricted Grants and Contracts	\$ 15,778.74
4-H Leaders Council	\$ 2,363.14
Master Gardeners	\$ 2,858.33

Total Account Balance \$ 76,656.37

Annual Revenue and Expense Report

<u>Income</u>	<u>Total</u>
County Appropriations	\$ 52,499.16
Student Fees	\$ 2,011.50
Investment Income	\$ 125.88
Gifts/Grants/Contracts	\$ 12,717.73
Resales/Educ Service Fees	\$ 2,304.24
Program Reimbursements	\$ 7,130.15
Miscellaneous Income	\$ 150.40
University Program Funds	\$ 7,150.00
Total Income	\$ 84,089.06

<u>Expenses</u>	
Secretary Salary	\$ 29,000.64
Travel	\$ 9,832.36
Postage	\$ 1,508.17
Telephone	\$ 2,834.10
Cell Phone Reimbursement	\$ 1,680.00
Marketing Supplies	\$ 237.99
Supplies & Services	\$ 9,696.10
Professional Development	\$ 62.00
Internet Connection	\$ 500.00
Insurance	\$ 100.00
Miscellaneous	\$ 970.50
Office Temp	\$ 659.20
Counsel Expenses	\$ 488.16
4-H Foundation Dues	\$ 280.00
4-H Program Fees	\$ 808.00
Livestock Show Premiums	\$ 120.00
CTF License Plate Disperse	\$ 2,989.33
VITA	\$ 2,000.00
4-H Program (Commission line item)	\$ 2,003.60
Soil Test Expenses	\$ 983.00
Farm Family	\$ 318.00
Publications for Resale	\$ 1,506.50
MU Publications	\$ 60.00
Repairs/Maintenance	\$ 903.93
Furniture and Equipment	\$ 1,033.01
Fee Generation for MU Extension	\$ 9,620.33
Total Expense	\$ 80,194.92
Net Income	\$ 3,894.14