

University
of Missouri
Extension

RETURN ON INVESTMENT

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

Cooperating

UNIVERSITY OF MISSOURI

EXTENSION

Randolph County

2016

Annual

Report



Randolph County, Missouri

The County at a Glance



☐ Population: 25,207

- □ UM Students: 133
- □ UM Alumni: 716
- □ UM Employees: 309
- □ UM Salary & Retirement Income: \$12,359,273
- □ UM State Tax Revenue: \$413,500
- □ UM Federal Tax Revenue: \$2,076,273

UM Students from the County in 2016

- > 133 students
 - > 109 MU
 - > 10 UMKC
 - > 10 Missouri S&T
 - > 4 UMSL
 - > 110 Undergraduates
 - ≥ 23 Graduates
 - > 100 -Full-time students
 - > 33 Part-time students

UM Employees and Retirees Residing in the County in 2016

- 309 people employed by UM
 - > 116 MU
 - ➤ 1 UMKC
 - > 185 UM Health Care
 - > 7 UM System
- > 80 UM Retirees and Beneficiaries

UM Alumni Residing in the County in 2016

- > 716 alumni
 - > 641 MU
 - > 46 UMKC
 - > 18 Missouri S&T
 - > 11 UMSL
- 269 Selected School Alumni
 - > 1 Medicine
 - > 46 Nursing
 - > 31 Health Professions
 - > 13 Dentistry
 - > 11 Pharmacy
 - > 1 Optometry
 - > 10 Veterinary Medicine
 - > 86 Agriculture
 - > 45 Engineering
 - > 25 Law

UM Services Received in the County in 2016

- 5,146 patients seen at UM Health Care, with \$2,457,984 of uncompensated care.
- I patient seen at the UMSL Center for Eye Care with an average of \$52 per patient in uncompensated care.
- 17 patients seen at the UMKC School of Dentistry with an average of \$54 per patient in uncompensated care.
- 6,396 contacts with MU Extension through MU Extension events held in district counties.

UM Alumni Teaching K-12 in the County in 2016

- > 86 teachers
- > 26% of all county teachers
- 3 principals and administrators
- 16% of all county principals and administrators

UM Footprint in the County
Randolph County MU Extension Center

Randolph 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 (OSEDA) • 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

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.

Warshalf Stevast

Vice Chancellor for Extension

Randolph County Commission Randolph County Courthouse Highway JJ Huntsville, MO 65259

Dear Commissioners:

First of all, thank you for all you do for the people of Randolph County and for Randolph County Extension. It is impossible to over state the importance of your support since the Randolph County Extension Center was re-opened in May of 2002. For this the Extension Council of Randolph County is extremely grateful. Your support reflects an understanding that when you support University of Missouri Extension, Randolph County benefits! We invite you to review this annual report showcasing our 2016 accomplishments!

- Children raised by caring, understanding parents in stable environments are better citizens of Missouri. Focus on Kids, a program for divorcing parents, makes Randolph County better.
- Youth who recognize and develop family strengths and life skills that lead to stronger families benefit the county. Productive, functioning families are at the heart of a vibrant economy.
- Research indicates thriving communities and counties have evidence of pride, a cooperative spirit, knowledge of the physical environment and multigenerational family orientations. The Randolph County Century Farms Program recognizes these strengths in Randolph County.
- Students who participate in 4-H are more likely to go to college and enjoy increased financial success. 4-H is investing in a stronger tax base for Randolph County's future.
- Family Nutrition Education Programs teach kids about nutrition, food safety and physical activity for lifelong health and fitness. Changing lifestyle choices to be healthier can make a huge, positive difference in Missouri's costs for Medicaid.

Finally, the participant numbers in this report are the actual number of people who participated in one of our programs. These numbers do not reflect the broader impact on the citizens of Randolph County as no doubt the learning obtained from MU Extension went on to positively impact the family and friends o those who participated in our programs! We invite you to peruse our successes of 2016 as outlined in this report. We appreciate your interest in MU Extension of Randolph County.

Marla Stegall

Extension Council Chair Person

Jeremiah Terrell

County Program Director

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

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2016 PROGRAMS OF DISTINCTION

An Invitation from the Randolph County Extension Council
Human Environmental Sciences
Focus on Kids5
Building Strong Families6
Matter of Balance 7
Positive Youth Development
4-H8-9
Agriculture
Randolph County Farm Tour10
Private Pesticide Applicator Training11
Soil and Water Tests12
MU Strip Trial Program13
Farm and Pond Visits14
Agriculture Business15-18
Livestock
Veterinary Feed Directive19
Poultry Workshop20
Business Development
Entrepreneurship and business counseling21
Missouri Procurement Technical Assistant Center22
Horticulture
Master Gardener's, Home-Horticulture and the Environment23-24
Family Nutrition Program25-26
Family Financial Education
Fall Festival



JEREMIAH TERRELL

PROGRAM AREA: HUMAN DEVELOPMENT & FAMILY SCIENCE SPECIALIST

Focus on Kids

Number of Learners	Program Descrip- tion	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Bet- ter?
divorcing parents with children under the age of 17	A 2.5 hour court ordered class for all divorcing parents with kids still at home. The program reviews the five predictors of positive outcomes for children when their parents' divorce. Through class discussion and viewing video vignettes, parents are reminded of the importance of keeping their children out of the conflict.	Avoiding conflict in front of the child improves the child's outcomes. Open & frequent communication between parents must be maintained. Children need to know: both parents love them & will remain in their lives and that the divorce isn't the child's fault. Importance of listening to their children.	Parents will listen to what their children have to say more effectively. Parents will communicate directly with one another rather than sending messages to the other parent via the children. Parents will be more mindful of reassuring their children of their love and continued presence. Parents will exercise caution when introducing new love interests to their children. Parents will develop an effective parenting plan.	Divorce may be the first experience a child has with grief and loss. Parents who listen frequently and effectively will be able to assist their children through the grief process with greater confidence. When parents "do" divorce most effectively, their children experience fewer disruptions socially, educationally and physically. Parents who continue to coparent after the divorce with frequent honest and open communication will produce kids in a more balanced and effective fashion.



JEREMIAH TERRELL, M.ED.

PROGRAM AREA: HUMAN DEVELOPMENT & FAMILY SCIENCE SPECIALIST

PROGRAM: BUILDING STRONG FAMILIES

Number of Learners	Program Descrip- tion	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Bet- ter?
25	The Building Strong Families: Challenges and Choices pro- gram helps families find their strengths, build on those strengths, and learn skills to create stronger families, improve relation- ships, and increase positive communica- tion.	Building Strong Families participants reported the following after attending: 80% learned at least 1 specific skill in each topic area for example, I learned to take more time with each individual child.	Participants gained a better understanding of what it means to be a family and ideas of what they can do to have stronger relationships and better communication with family members. Adult participants who made changes in their families reported these changes: increased satisfaction with relationships	When you support University of Missouri Extension's Building Strong Families program, participants improve family functioning through healthier relationships, increased positive communication, greater family satisfaction and the accomplishment of shared goals. When stronger families more effectively engage with others at home, work and school, communities benefit from a higher level of household and workplace productivity.
	The program covers 6 topics (13 are available) and uses hands-on activities to involve participants.	60% learned at least 2 specific skills in each topic area for example, I learned about how to manage my stress level and how to have a family council.	their families were better at helping out, communicating and getting along together	
	Topics include: Family Strengths, Children and Self-Esteem, Communication, Positive Discipline, Stress Management, Money Management, Goal Setting	80% set goals related to strengthening their families or their own skills for example, I will organize my bills, and I will spend more time with my family.	they saw a greater value in their children and families and the relationships they had with them	



MEGHAN SAMSON NUTRITION AND HEALTH EDUCATION SPECIALIST, BOONE COUNTY, NE REGION



JEREMIAH TERRELL, M.ED.

PROGRAM AREA: HUMAN DEVELOPMENT & FAMILY SCI-

ENCE SPECIALIST

PROGRAM: MATTER OF BALANCE

Number of Learners	Program Descrip- tion	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Bet- ter?
9	Matter of Balance is designed to help participants overcome their fear of falling and learn ways to prevent falls through exercising to improved flexibility and strength; and learn to adapt to medical issues that increase chances of falling.	Participants learned: The concept of helpful and un- helpful thoughts and concerns about falling. To recognize core beliefs about falls before be- ing able to change them. To understand the importance of exercise in pre- venting falls. To identify which exercises are best suited for fall prevention. To recognize the relationship of assertive behav- ior and fall pre- vention.	Participant surveys of improvement indicated: They were more confident that they would be able to get up if they fell. They had found ways to reduce falls and had implemented some methods. They had become steadier on their feet. They believed they could increase their physical strength. They had increased their physical activity.	What is the value of the program? A broken hip costs an average of \$37,000. Additionally, 24% of adults over age 50 sustaining a broken hip die within 12 months due to complications. Prevention of this and other injuries from falls allows seniors to remain more active and independent, avoid hospital or nursing home admissions and costs, or possibly death. Source: http://orthoinfo.aaos.org/topic.cfm?topic=a00305



Randolph County 4-H

Lisa Morrison, 4-H Youth Development Specialist

Vickie Troyer, Youth Development Program Assistant

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

Number of Randolph County Learners	Total Collective Hours of Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Program- ming Make Randolph County and Missouri Better?
150—4-H Members 80—trained volunteers	1,940-H learning hours 1,365 adult volunteer hours	Randolph County 4-H serves youth through six organized clubs, school enrichment groups, camps and more. Randolph County 4-H clubs offer longterm educational experiences in which members learn life skills such as deci-	Youth explore interests from shooting sports to scrapbooking, resulting in increased interest.	Missouri 4-H Members are twice more likely to have been on a college campus than their non-4-H peers. MU is by far the campus most frequently visited and 4-H is
Six 4-H Clubs		sion making, public speaking, and team- work The youth of Randolph County have demonstrated advanced learning	Projects such as live- stock, robotics, con- servation and comput-	the second most reported reason to be on the MU Campus (Lerner, 2008). In
Eighty-five percent re- ceived blue ribbons		through the following activities:	ers allow 4-H mem- bers to practice deci- sion making, goal setting, use of re-	2011, MU Extension 4-H connected 8,500 young peo- ple age 8 to 18 to University
		Local, Regional, State and National 4- H Attendance:	sources and self- motivation.	of Missouri campuses and faculty. Being on a campus is a predictor of youth going
		Camp Counselors—7 Teen Conference—5	Hands-on experiences give youth an oppor-	on to higher education (Hoover, 2006). County 4-H
		Major Events—604-H Summer Camp—19	tunity to find what they may or may not be	clubs offer long-term educa- tional experiences in which
		Clover Kids' Day Camp - 18	interested in.	members learn life skills such as decision making, public speaking and working
		State Meats Evaluation—10		with others. Members learn by doing under the guidance
4 34 3 200	and the second	State Livestock Judging—8 State Poultry Day—7		of adult volunteers, who teach projects ranging from
		State 4-H Congress— 2		aerospace and arts to veterinary science and sport fish-
		State Shooting Sports- 15		ing. Clubs also involve chil-
W. W.		State Fashion Revue-1		dren and teens in community service, camping and educa-
A A	Edda L	State Fair Demonstrations—5 State Public Speaking—3		tional trips.
		Missouri State Fair—85		
			UNITED	

Invest in Your

Communit

Embryology

Number of Randolph County Learners	What did they do?	What Did They Learn?	What Action Did They Take?	How Does This Programming Make Randolph County and Missouri Better?
Twelve classrooms and 239 Randolph County students 10— classrooms 4— 4-H members Students enjoy checking	Pre-incubated eggs are delivered to the school where they hatch about three-five days later. The students observed the incubation process and the exciting start to new life for the chicks.	 Science Value of lives of living creatures. Students have the opportunity to learn the scientific process of embryology that includes: identifying parts of an egg, incubation, hatching, development of chicks in the egg and once they have hatched, preparing a brooder, handling chicks and careers in the poultry industry. Care for the eggs and chicks Responsibility Decision-making Sharing Leadership Critical thinking Teamwork 	Youth were able to discuss animal development process. Youth were able to share with others without disruptions. ime with the chicks.	This gives the children hands-on experience in hatching chickens while developing personal confidence and leadership ability through embryology project activities. Children learn by observing, listening, experimenting and applying their knowledge to real-world situations. As students continue on their learning journey they have increased knowledge and skills in nutrition, food production, and food safety and food systems. Skills practiced by youth such as planning and organizing, decision-making, self-responsibility, getting along with others, and improving their knowledge of general science and technology put these youth on the path towards successful careers.

Program: Randolph County Farm Tour

Agronomy Specialist Dhruba Dhakal



Number of Ran-			Parties in a	How Does This Work Make
dolph County	Program De-		How Did Participants	Randolph County and Mis-
Learners	scription	What Did They Learn?	Benefit?	souri Better?
26	The Randolph county farm tour was organized on July 30, 2016. The participants visited three different farms in Randolph county. They are: Twin Acres Horse Farm, 1875, Highway M, Moberly Allan Sharrock Cattle Farm, 1128 Private Road 2216, Huntsville Judy Thornburg Cattle Farm, 918 Highway A, Moberly	Visitors learned about: Raising, training, and showing horses Horse breeding operation Rotational grazing Novel endophyte tall fescue pasture establishment Economics of replacing Kentucky-31 tall fescue Grass-legume mixture Heifer breeding programartificial insemination Cattle health program Livestock equipment and corral system Rotational and intensive grazing system Reed canary grass hay production	Participants gained knowledge on cattle and horse breeding operation, different technologies of grazing management, better pasture and hay ground management using grass-legume mixture and other operations they learned during the farm tour. Gained knowledge on rotational grazing and legume inter-seeding into grass pastures increased carrying capacity of pastures, improve animal daily gain and net farm profit	Villiam Cleeton at Judy

Agronomy Specialist Dhruba Dhakal

Program: Private Pesticide Applicator Training



Number of Ran- dolph County Learners	Program De- scription	What Did They Learn?	How Did Participants Benefit?	How Does This Work Make Randolph County and Mis- souri Better?
13	The Private Pesticide Applicator Training program certifies and recertifies producers in proper handling and application of restricted use pesticides.	Participants learned about proper pest identification, economic thresholds and economic injury levels, safe handling and application of pesticides in their crop and field. Producers also learned about the need for emergency planning procedures and the environmental ramification of improper application. They also learned how to minimize negative environmental impacts of pesticide application to protect water quality and wildlife habitat.	Producers gained skills that lead to improved efficiencies of production, profitability and sustainability in their farming operations. Crop producers obtained their Private Pesticide Applicator license which allows them purchase restricted use pesticides.	This benefits the citizens by improving environmental quality through timely application and improved utilization in critical watershed which protect and enhance natural resources and water quality in Randolph county and whole state of Missouri.

Agronomy Specialist Dhruba Dhakal

Program: Soil and Water Sample Test and Recommendation



Number of Ran- dolph County Learners	Program De- scription	What Did They Learn?	How Did Participants Benefit?	How Does This Work Make Randolph County and Mis- souri Better?
29 (Soil Sample) 2 (Water Sample)	Extension office receives soil and water samples from local producers and send to University of Missouri Soil Testing Lab at Columbia. The office receives test reports and provides recommendation and interpretation to producers.	Producers knew their soil properties including soil pH, nutrients status and organic matter. They also received fertilizer and lime recommendation to their soil. Proper soil and nutrient management to increase fertilizer efficiency and protect the environment Different soil types and management	Producers managed soil and nutrient appropriately to increase nutrient use efficiency, minimize nutrient loss from the soil and protect the environment. Applied nutrient to the crop/soil at proper amount and time helped to increase crop productivity, minimize environment degradation and maximize farm profit. Timely diagnosis of nutrient deficiency helped farmers to save their crops.	Proper amount and timely application of fertilizers and lime helps to increase crop productivity, improve soil properties, sometimes minimize costs, which ultimately leads to increase net farm income. The increased local economy in Randolph county also contributes to the better Missouri State Economy. Proper amount and timely application of fertilizers and other chemicals helps to minimize the environmental degradation that creates better soil, water and air quality in the local and state level.

Agronomy Specialist Dhruba Dhakal

Program: MU Strip Trial Program (In Farmer's Field)



Number of Ran- dolph County Learners	Program De- scription	What Did They Learn?	How Did Participants Benefit?	How Does This Work Make Randolph County and Mis- souri Better?
2	Crop and nutrient management trial conducted in farmer's field. Farmer's field trials were conducted in corn with different nitrogen application timing and rates at Ryan Britt's farm Clifton Hill.	Farmer determined the proper amount and time of nitrogen fertilizer applied to his corn field.	Nitrogen fertilizer application at proper time and rate increased crop productivity, minimized the cost of production and increased net farm economic return	Higher farm income improved local economy in Randolph county contributed to the better Missouri State's economy. Proper amount and timely application of fertilizers helps to minimize its use in the field. This helps to minimize the environmental degradation that creates better soil, water and air quality locally and state wise.

Agronomy Specialist

Dhruba Dhakal

Program: Farms and Ponds Visit



Number of Ran- dolph County Learners	Program De- scription	What Did They Learn?	How Did Participants Benefit?	How Does This Work Make Randolph County and Mis- souri Better?
Over 30 Master Ga	On-site farm visits with crop, pasture, fruits and vegetable growers; pond visits Pond (covered with a rdeners Farm Tour	Diagnosis of problems in crops, soil, and ponds Identification and control of plant diseases and insects Igal bloom) visit in Moberly.	Timely diagnosis of insect, disease and nutrient deficiency helped farmers to save their crops During farm visits, specialists provide different research proven crop, soil, nutrient and pest management techniques helped producers for better management of their crops Increased farmer's knowledge and awareness to the sustainable crop, soil, nutrient, and pest management practices	By utilizing research based "Good Agricultural Practices (GAPs)", crop/pasture producers in Randolph county increase net farm income/local economy by increasing their crop productivity and reducing production cost. The increased local economy in Randolph county contributes to the better Missouri State's economy. The increased net farm income encourages young farmers to be involved in the farm. Foods produced through GAPs are high-quality, more nutritious and healthier. This ultimately leads to decreased health care cost. Agricultural practices, for example, cover crop and no-till farming reduce soil erosion and improve soil health.

PROGRAM AREA – AGRICULTURAL BUSINESS

PRESENTER NAME - DARLA CAMPBELL, KARISHA DEVLIN, JOE KOENEN, MARY SOBBA









Number of Ran- dolph County Learners	Total Hours of Col- lective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Better?
A total of 95 lenders attended from 18 Missouri counties, plus lowa and Illinois at the Kirksville, Hannibal, and Mexico locations.	5.5 hours (5.5 hours x number of county participants) 522.5 hours total for all lenders	Topics for the seminars held at Kirksville, Hannibal. and Mexico were: Ag Site Assessment, Macro Economics, Latest in Land Values and Rental Rates, Crop Livestock Outlook, Update on Taxes and Other Legal Issues, Livestock Risk Insurance, the Affordable Care Act, and new Extension curriculum. Lenders received the 2016 Missouri Farm Financial Outlook book which included budgets for all major crop and livestock enterprises in the state.	Lenders will help their agricultural customers to use the information and tools they were given. Specific actions include using the: Budgets; Crop & Livestock Outlook; Rental Rates and Land Values; Tax and Ag Site Assessment information.	The lenders in attendance manage 6039 loans totaling \$637,960,000. By attending University of Missouri's Agricultural Lenders' seminars, lenders are able to help their clients make better decisions based on risk management tools, budgets, and other resources provided. This benefits their portfolio of producers and landowners by a better understanding of enterprise budgets and cash flow affecting families' and businesses' financial health. This is especially important with the downturn in the agricultural economy as both crop and livestock producers face low income, high input costs, and challenging marketing decisions.





PROGRAM AREA - AGRICULTURAL BUSINESS











Number of Ran- dolph County Learners	Total Hours of Col- lective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Better?
2 participants A total of 153 people attended at the Kirksville and Mexico sites which were two of seven around the state.	5 hours (2.5 hours x 2 participants)	Topics included: Regional weather impacts 2015 Prevented planting acres Lower land values Dropping farm commodity prices Local area broad issue impacts	Producers learned current information to help them make better management decisions during tough economic times and influence policy change.	Producer concerns were heard from around the state, compiled by a team of MU Extension and the Missouri Department of Agriculture. These concerns were then shared further with the United States Department of Agriculture. By networking and collaborating in this manner, more policy change will be influenced for livestock and crop producers.



PROGRAM AREA -AGRICULTURAL BUSINESS

PRESENTER NAME: MARY SOBBA, VIRGIL WOOLRIDGE





Number of Ran- dolph County Learners	Total Hours of Col- lective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Better?
5 participants	60 hours (12 hours x number of county participants)	Class participants learned about: Writing business goals and mission state- ments Effective communica- tion techniques Dealing with conflict Understanding genera- tional differences Succession planning Estate planning Retirement planning	Attendees will review how their property is titled. They will use POD and TOD when possible to transfer their assets. They will discuss their estate and succession plan with their heirs. They will encourage their children and grandchildren to start saving for retirement.	When you support MU Extension's Your Farm, Your Business, Your Future program, you prepare families to better understand how to transfer the farm or business, protect the estate's assets, and communicate more effectively with professional advisors and heirs This helps foster family communication and avoid costly litigation and aids in the continuation of the farm business. If families save 6 hours of legal time the value of this class is \$4500. (5 participants total at this site x \$150/ hour x 6 hours).

MU Tax Schools

During 2016, University of Missouri Extension ag economics department and regional ag business specialists worked together to coordinate one summer and seven fall tax schools. The schools were designed for those who prepare taxes including: enrolled agents, tax preparers, CPA's, individuals and attorneys.

The training included new tax legislation, rulings and cases, individual taxpayer issues, affordable care act, IRS rules and regulations, business issues, retirement issues, death of a taxpayer, ethics and agricultural topics. The schools were approved for 8 hours of continuing education credit by the IRS and the Missouri Bar. Total continuing education hours reported to IRS for the schools was 2,607 hours.

The 2016 school attendance was a total of four hundred seven people. The schools were held in Cape Girardeau, Columbia, O'Fallon, St. Joseph and Springfield. The participants were from all over the state. There were 7 participants from Randolph County.

The teaching teams included a CPA and former IRS employee, an IRS certified retired ag economics professor, an attorney and a regional extension ag business specialist.

The trainings received positive evaluations and planning is underway to offer additional trainings in 2017. Local county residents benefit when local tax preparers have the opportunity to gain knowledge they can use to benefit their clients.

AGRICULTURE/LIVESTOCK

Veterinary Feed Directive

Wendy Flatt

Livestock Specialist &

County Program Director, Howard County



Number of Randolph County Learn- ers	Total Hours of Collec- tive Workshop Partici- pation in 2014	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Better?
67	3	All feed uses of certain drugs alone and in combination, will require a VFD as of January 1, 2017, except in chases where a sponsor chooses to voluntarily withdraw the drug application	All livestock owners will contact a veterinarian for any drugs that must be administered to their animals.	Due to a federal mandate, all feed grade antibiotics will require a "Veterinary Feed Directive" be issued by a licensed veterinarian familiar with the patient/ patients. Livestock owners will not be able to buy or feed these products to their animals without Veterinary oversight. This is a new law going into effect January 1, 2017 that many livestock producers need to be educated about. Randolph County University Extension was able to have the state's authority on this new topic educate area producers and prepare them for the new regulations.

AGRICULTURE/LIVESTOCK

Poultry Class

Wendy Flatt

Livestock Specialist &

County Program Director, Howard County



Number of Randolph Coun- ty Learners	Total Hours of Collec- tive Workshop Partici- pation in 2014	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Better?
11	2	Attendees learned how to raise and care for poultry flocks. They also learned the Moberly city ordinance on raising chickens within city limits.	Growers will use the knowledge to build proper coops, feeder, dusting sights and runs. They will know what types of medicines and feeds to provide.	It improves production and food quality.

BUSINESS DEVELOPMENT PROGRAM

BUSINESS COUNSELING & TRAINING CREATING STRONGER BUSINESSES AND COMMUNITIES

Charles Holland
Business Development Specialist
Monroe County
hollandca@missouri.edu
(660)327-4158



What Did They Learn?	What Action Did They Take?	How Does This Work Make Monroe County and Missouri Better?	Number of County Learners	Statewide SBTDC Impact
Business Development Program Specialist and business counselors with MU extension, Missouri Small Business & Technology Development Centers (MO SBTDC), counsel people and their companies with start-up and management counseling, training and other assistance.	1 Business Start 5 Jobs Created 1 Jobs Retained \$300,000 Sales Increase	As Entrepreneur's and innovators, Missouri's small businesses are becoming a more diverse group that continues to make the state's economy productive. There are approximately 500,000 small businesses in Missouri. Nearly 98 per cent of all businesses with employees are categorized as small businesses. In assisting owners and managers of those businesses, MU Extension contributes to a county's economic development through growth in jobs, sales, innovation, technology development and commercialization. Training and business counseling result in businesses making better financial and management decision leading to stronger businesses and a stable business community.	37 Clients/Companies Receiving Business Counseling 57 Training Event Attendees	Loans and Equity \$111,296,123 Sales Increase \$110,351,258 Jobs Created 1751 Retained 1811 New Businesses Created 226 Number of Trainings 568 with 7617 total participants and 1807 hours of classroom hours. 2723 Client counseled with 22,452 hours of counseling.

Missouri Small Business Development Center

Rising Star of Entrepreneurship Award, 2016

Northeast Region: Concrete Pier Systems, LLC, owned by Joe and Debbie Timbrook, located in Hunnewell. Counselors – Charles Holland, Carolyn Chrisman and John Woodson,

Concrete Pier Systems, LLC manufactures a construction component for pole barns that extends the life of a pole to 100 years or more. The product is patented and has not been marketed outside the regional area. The Timbrook's purchased the business and have built a new manufacturing facility in Shelby County with the goal of selling the product nationwide and will look at exporting within two years. Other IP is being developed to increase structural rigidity and ease of use. The company looking to hire 12 people within the next calendar year.

Owners, Joe and Debbie Timbrook are Monroe County residents.

CHRIS SHOEMAKER

PROGRAM AREA: BUSINESS DEVELOPMENT SPECIALIST

MISSOURI PROCUREMENT TECHNICAL ASSISTANCE CENTERS



Number of Ran- dolph County Initial contacts for Gov- ernment Procure- ment	Total counseling sessions on Govern- ment Contracting for Randolph county in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Randolph County and Missouri Better?
7	24	The registration processes for state and federal contracting along with potential opportunities that pertains to their product or services offered.	Possible contracts that give them opportunities to bid on and ultimately receive contracts from their bid proposals. Government Contract Awards Amounted to \$697,436.00 There were 117 awards	This is job creation along with increasing small business opportunities in Rural Northeast Missouri. In the Northeast Region of which lies Randolph County. There were 456 awards for a total of \$46,655,160.00. Clients counseled were 124 and 634 Counseling Sessions. Overall, the University of Missouri's Business Development Programs (BDP) served people and their businesses state-wide. The total impact for all businesses assisted by the BDP was: Government contracts: \$347,900,000.00 The business development faculty contributing to these business successes are from the programs identified above. These staff have regional and statewide assignments and work with businesses in all counties across the state.

PROGRAM AREA-HORTICULTURE, JENNIFER SCHUTTER

TITLE OF PROGRAM-MASTER GARDENERS, HOME HORTICULTURE AND THE ENVIRONMENT



Number of Ran- dolph Learners	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Randolph County and Missouri Better?
MASTER GARDENERS 7 Master Gardeners	744 total hours: 107 were education hours and 637 were service hours, which has a value \$15,007.72 using the 2015 value of \$23.56 per hour from the Independent Sector.	Master Gardeners are continually learning about new production methods, plant varieties, landscaping techniques, insects, plant diseases and disorders and their control, integrated pest management, lawn care, pruning, among many other areas of horticulture.	Randolph County Master Gardeners participated in numerous activities throughout the year to carry out the mission of the Master Gardener program. Some of their activities included: preparing a garden display each month for the Little Dixie Library in Moberly; guest presenter on the live greenhouse radio show in Moberly; beautification at the railroad and maze gardens; assisted with an Eagle Scout project planting trees and shrubs at the State Veteran's Cemetery in Jacksonville.	When you support MU Extension's Master Gardener program public awareness of unbiased, research based gardening information is promoted and increased. The Randolph County Master Gardeners assist in the community through beautification projects, and by helping to disseminate research based information.
MASTER GARDEN- ER TRAINING 1 Randolph County resident	36 hours, 12 classes 3 hours per class	Participants took a 12 week training class held at the Macon County Extension Cen- ter.	The Master Gardener trainee completed the course and will start volunteering and providing service to their community.	23

PROGRAM AREA-HORTICULTURE, JENNIFER SCHUTTER

TITLE OF PROGRAM-MASTER GARDENERS, HOME HORTICULTURE AND THE ENVIRONMENT



Number of Ran- dolph County Learners	Total Hours of Collective Workshop Participation in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Randolph County and Missouri Better?
HOME HORTICULTURE & THE ENVIRONMENT 15 contacts for horticulture information 43 Randolph County residents receive the	Horticulture questions throughout 2016.	Citizens received a positive identification of an insect, plant disease or disorder, or a weed in their yard. They received pest control options in most cases. Citizens also sought home horticulture assistance on various garden topics. Readers are informed of timely gardening practices new varieties, planting	Correctly having a pest identified allows homeowners to make better choices about pest control and integrated pest management. Soil test reports give homeowners nutrient recommendations so they can apply the proper amounts to their soil before planting. Information in the newsletter informs home gardeners of timely tasks to do in the garden, and pests and diseases to be aware of on plants.	By supporting MU Extension's Home Horticulture program, citizens receive high quality horticultural information that is unbiased and researchbased.
Garden Talk newslet- ter.		methods, plant diseases and insects, monthly gar- dening tips and upcoming events.		
29 Randolph County Residents attended a spring garden pro- gram in Moberly			Participants learned vegeta- ble production methods and new varieties to try in 2016.	Participants applied the infor- mation they learned to their own vegetable gardens and when helping with community projects and assisting others.

FAMILY NUTRITION PROGRAM (FNP)

RANDOLPH COUNTY

Marjorie Lee (left) Tennille Manson (middle) Shannon Kiley (right) Nutrition Program Associates



Number of Ran- dolph County Learners	Total Hours of Collective Work- shop Participa- tion in 2016	What Did They Learn?	What Action Did They Take?	How Does This Work Make Randolph County and Missouri Better?
University of Missouri Extension's Family Nutrition Program (FNP) reached 904 participants directly and 1,002 indirectly with nutrition education in Randolph County during 2016 a significant percentage of which were low income. FNP provides information on nutrition, food safety, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.	452 collective workshop hours	Youth from Pre-school to 8th grade learned through kid-friendly, hands-on lessons and activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also includes nutrition, food safety, and physical activity, as well as food resource management.	Nutrition Program Associates (NPA's) go into schools and other grant eligible locations and interact with community members to help them make healthier choices and build healthy habits. They see the difference the program makes in people's lives.	The Family Nutrition Program (FNP) brought \$8,582,289 in Federal funds to the state of Missouri. These funds were used to provide nutrition education to 951,652 food stamp recipients and food stamp eligible citizens of Missouri. 1,906 of these participants reside in Randolph County. It also funds one full-time job with quality benefits plus expenses for making the programming available to qualified schools and agencies in the county. Participants in FNP become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important programming effort serves to reduce healthcare costs over the participant's lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

FNEP

Success Stories:

- Recently, I taught at Higbee High School. After I was done teaching the lesson, we were talking about the food tastings that we had so far during Nutrition class. One 17-year-old male student told me that he had the Lemon Velvet Smoothie for breakfast that morning. I said "Oh that's great you made it at home?" The student said "Yes, I really liked it! So I went to the store and bought everything on the recipe to make it at home! My little brother and Mom also really liked it!" The Lemon Velvet Smoothie is made with lemon yogurt, orange juice concentrate, low-fat milk and vanilla. Tennille Manson
- During 2nd grade programs at Westran Elementary students got to learn the importance of protein and what it does for their body. They got to taste hummus on a whole grain cracker. Many students enjoyed the hummus and said they will want to have this at their home. Tennille Manson
- During programs at Moberly Middle School the students got to learn the importance of eating healthy while eating out as well as eating a healthy breakfast every day. Their food tasting that day was No Bake Breakfast Bars. Many of the students really enjoyed the bars. The next week a student came up to me before class and thanked me for the No Bake Breakfast Bar recipe and told me that he made it over the weekend and that the bars have been his breakfast for the past couple of days. He said "They are easy to make and handy to have them individually in a zip lock bag and eat in the car on his way to school." Tennille Manson
- During a lesson this month for the fruit food group, I had banana chips as a food tasting. Before tasting them, some of the kids said they knew they were not going to like it. I of course said you have to try something before you say that! I also informed them that you have to try something 10 times before officially saying you do not like something. After the food tasting, I asked everyone what they thought of it. Some of the kids said it was a fun way to eat bananas which I was hoping for! The kids who said they knew they were not going to like it actually said they liked it and they were going to ask their parents to buy some for them! Shannon Kiley
- As part of the vegetable lesson in second grade, we pretend to make vegetable soup. This is one of my favorite lessons because the kids get to stand up and be active! I decided to have red bell peppers as a food tasting. A lot of the children seemed like they wouldn't like it because it would be too spicy! I informed them that these peppers were actually sweet and juicy. After they tasted the peppers, a lot of the kids said that they were happy they tried them to know they were sweet. Shannon Kiley
- The day after I taught the lesson about germs to the preschool class in Westran, I was walking to another class and a teacher stopped me. She was a mom of one of the preschoolers. She asked me what we talked about in the lesson because her child came home and before he ate or after he went to the restroom, he washed his hands and sang the ABC's! She said she loved it and she started doing it too! We teach the kids to sing the ABC's or count to 20 when they wash their hands. Shannon Kiley







NAME: VIRGIL WOOLRIDGE

PROGRAM AREA: FAMILY FINANCIAL EDUCATION SPECIALIST

PROGRAM: BASICS OF WILLS AND TRUSTS



Number of Ran- dolph County Learners	Program Description	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Bet- ter?
14	To provide a basic understanding of wills and trusts. To understand that estate planning is much more than just wills and trusts.	Methods and tools for asset transfer. Why have a will? What is probate? Types of Trusts.	100 % of the participants found this training practical and would recommend this training to others. 73% of participants reported that they increased their knowledge on this subject from the class.	Everyone should do some type of estate planning regardless of your financial situation or the number of assets you possess. Planning your estate is very important to do ahead of time. There are several reasons to plan your estate. If that planning is not done then, the state of Missouri has a plan that will be put in effect for your estate and it may not be what you want.

RANDOLPH COUNTY EXTENSION CENTER OUTREACH OPPORTUNITIES FALL FESTIVAL IN MOBERLY, NEW OFFICE OPEN HOUSE, TRICK OR TREAT TRAIL IN MOBERLY



Number of Contacts	Program Descrip- tion	What Did They Learn?	What Action Did They Take?	How Does This Work Make Ran- dolph County and Missouri Bet- ter?
Fall Festival 125	Provided activities of digging in the dirt to discover (toy) insects. Provided different soil types for awareness.	Awareness of soil types Soil testing and insect identification services provided through MU Extension	Participants were aware of services provided through Randolph County Extension Center	Through better understanding of soil quality and insect identification, participants are able to have greater success in either home gardening or pasture production
	Provided petting zoo	Participants were able to identify different types of farm animals		Better understanding of farm animals leads to increased interest in farming.
New Office Open House 70	Provided Open House	Attendees had increased awareness of University of Extension in Randolph County		
Trick or Treat Trail 2, 600	Provided tricks, treats, and interac- tion			

2016 RANDOLPH COUNTY EXTENSION COUNCIL

CHAIRPERSON

MARLA STEGALL

ELECTED MEMBER, TERM ENDS 2018

VICE CHAIRPERSON

MARY KERTZ

ELECTED MEMBER, TERM ENDS 2018

SECRETARY

KRISTEE ORNBURN

ELECTED MEMBER, TERM ENDS 2017

TREASURER

THERESA HYATT

ELECTED MEMBER, TERN ENDS 2018

OTHER MEMBERS

CLIFF MILLER

ELECTED MEMBER, TERM ENDS 2017

WILLIAM CLEETON

ELECTED MEMBER, TERM ENDS 2017

MERL LEE RILEY

ELECTED MEMBER, TERM ENDS 2017

ROY MORALES

ELECTED MEMBER, TERM ENDS 2018

PENNY VANDUZER

APPOINTED FROM MASTER GARDENERS, TERM ENDS 2017

CARRIE MULCH

APPOIINTED FROM THE CITY OF MOBERLY, TERM ENDS 2018

MARIE MCSPAREN

APPOINTED FROM FARM BUREAU, TERM ENDS 2018

BETTY MAYO

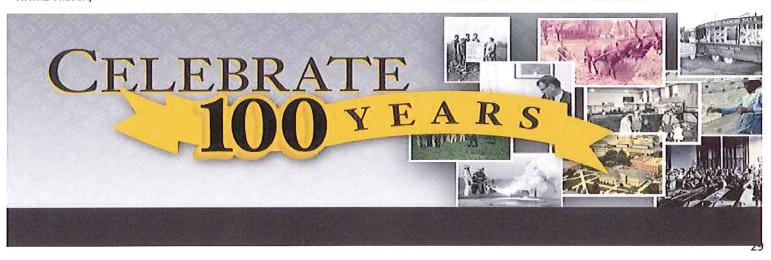
APPOINTED FROM FCE, TERM ENDS 2018

SUSAN MILLER

APPOINTED FROM 4-H, TERM ENDS 2017

WAYNE WILCOX,

APPOINTED FROM THE COUNTY COMMISSION



2016 INCOME			2016 A CTUAL
STUDENT FEES	\$	1,200.00	\$2,140.00
COUNTY APPROPRIATIONS	\$	28,000.00	\$28,000.00
GIFTS/GRANTS/CONTRACTS	\$	6,000.00	\$9,176.72
SOIL TEST AND PUBLICATION	\$	250.00	\$363.00
UNITED WAY EXPENSE REIMBURSEMENT	\$	1,500.00	\$4,304.30
FUNDRAISERS	\$	3,000.00	\$1,962.00
POSTAGE FUND	\$	700.00	\$700.00
PROGRAM REIMBURSEMENT	\$	0	\$825.00
ONE TIME ONLY COUNTY SUPPORT FUND FROM UN	NVEF	SITY	\$2,550.00
TOTAL INCOME	\$	40,650.00	\$50,021.02
2016 EXPENSES			

SECRETARY	\$ 13,422.00	\$13,552.22
SECRETARY PAYROLL WITHHOLDINGS &		
INSURANCE STIPEND	\$ 1,500.00	\$ 1,068.98
YOUTH PROGRAM ASSIST.	\$ 10,870.00	\$12,235.62
YOUTH PROGRAM ASSIST. WITHHOLDINGS	\$ 1,225.00	
TRAVEL	\$ 3,000.00	\$ 3,000.00
POSTAGE	\$ 1000.00	\$ 700.00
TELEPHONE SERVICE	\$ 1,750.00	\$ 1,459.73
4-H PROGRAM OPERATIONS	\$ 0	
Advertising	\$ 2,000.00	\$ 381.00
OFFICE RENT	\$ 9,000.00	\$ 8,250.00
OFFICE SUPPLIES	\$ 2,000.00	\$3,966.95
OTHER CONTRACT SERVICES	\$ 300.00	\$ 0.00
INSURANCE	\$ 600.00	\$ 7 37.45
MISCELLANEOUS EXPENSE/UTILITIES	\$ 2000.00	\$ 2,000.00
EXTENSION COUNCIL ELECTION	\$ 250.00	\$ 250.00
SOIL TEST EXPENSE	\$ 200.00	\$ 306.00
PUBLICATIONS FOR RESALE	\$ 50.00	\$ 320.82
COPIER MAINTENANCE AGREEMENT	\$ 900.00	\$ 1,172.62
EDUCATIONAL PROGRAMMING EXPENSE	\$ 500.00	\$ 500.00
FUNDRAISER EXPENSE	\$ 0.00	\$ 167.00
TOTAL EXPENSES	\$ 49,067.00	\$51,183.39