



Extension

University of Missouri



Dade County

2018 ANNUAL REPORT

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January 2019

Dade County Commissioners and Community,

University of Missouri Extension strives to provide relevant, reliable, research-based information and education to improve the lives of the citizens of Dade County. This Annual Report provides an overview of the last year, including the programs and progress of the Dade County University of Missouri Extension.

Programs presented engaged participants in current agriculture practices; healthy habits and leadership development through local 4-H clubs.

The University of Missouri Extension Council and local faculty and staff thank the Dade County Commission for the support and funding of educational programs. The council remains committed to providing information and programming to help Dade County citizens grow as individuals and as a community through the local Dade County Extension office.

Sincerely,

Wayne Bruffey

County Council Chair

Sarah Abbott

Extension Council Secretary

Robert L. McNary

Engagement Specialist

Wayne Bruffey

Sarah Abbott

Robert L. McNary

December 4, 2017

Dear County Commissioners and Friends of MU Extension:

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

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

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

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

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

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

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

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

Sincerely,



Marshall Stewart, Ed.D.

Vice Chancellor for Extension and Engagement

Dade County Staff



**Bob McNary - County Engagement Specialist
in 4-H Youth Development**



**Tina Brownsberger
County Support Staff**

Other Staff Serving Dade

Jay Chism—SW Regional Director	Robert Balek—Horticulture
Jeff Barber—Housing Education	Reagan Bluel—Dairy
Alyssa Brown—Business Development	David Burton—Community Economic Development
Patrick Davis—Livestock	Michelle Kleeman—State Council
Theresa Fossett—Family Nutrition Education	Abi Rogers—Business Development
Jennifer Lutes—Agriculture and Environment	Lindsey Stevenson—Nutrition and Health
Jill Scheidt—Agronomy	Ken Surbrugg—Business Development
Kyleigh Sullivan—Human Development	
Allen Waldo—Business Development	

Dade County Extension Council

Chairman– Wayne Bruffey, appointed, Farm Bureau	Mike McCorkill, elected, term ends 2020
Vice Chairman– Linda Eggerman, City of Lockwood	Deann Miller, elected, term ends 2020
Secretary– Sarah Abbott, elected, term ends 2020	Kim Morrison elected, term ends 2019
Treasurer– Kathy Brown, elected, term ends 2019	John Roller, City of Dadeville
Randy Daniel, appointed, Dade County Commission	Naura Swanson, appointed, term ends 2019
Amanda Gray, elected, term ends 2019	Tammy Wilson, elected, term ends 2019
Jan Grippo, elected, term ends 2019	Mike Woolley, City of Everton
Michelle Kleeman, elected, term ends 2020	Keaton Jones, Youth Representative
Sandee Lyle, City of Greenfield	Angelica Kostik, Youth Representative

Unique Partnership

Dade County's MU Extension Council is a full partner with Missouri's land-grant universities to deliver high-quality education and research-based information. This helps people solve real-world problems and take advantage of opportunities. Council Members: Work with extension specialists to provide the county with quality educational programs; manage finances of local extension operations; provide personnel to carry out extension activities; and elect and organize the local extension council.

Dade County Commissioners

Randy Daniel- Presiding Commissioner	
Dallas Maxwell- Eastern Commissioner	David Rusch– Western Commissioner

Recognizing Community



State Fair Farm Family
Roper, Shae, Amanda and Joel Gray



Dade County Commissioners and Extension Council Members
Attend Regional Meeting with Vice Chancellor Marshall Stewart



Leaders Honor Roll
Kim Morrison and Karen Roby
(not pictured)



Century Farm
Sturdy Hill Farm and Fortner Farms

Continuing Education

Fire and Rescue Training Institute (MU FRTI) 45 participants

Comprehensive continuing professional education and training to Missouri's fire service and emergency response personnel. Courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation, as well as fires. <http://www.mufrti.org>

MU Conference Office 3 participants

High-quality, professional, full-service meeting management for a variety of noncredit educational programs, such as conferences, workshops, seminars and symposia. In FY 2018, Missourians registered to attend MU Extension conferences for teacher education in math, science and writing; crop management, and agricultural lending, as well as statewide youth leadership programs. — FCCLA and 4-H. <http://muconf.missouri.edu>

Law Enforcement Training Institute (LETI) 2 participants

The MU Sinclair School of Nursing's Nursing Outreach program is one of the nation's most respected providers of extended educational resources. Nurses are able further their career through relevant, responsive and reliable learning opportunities that focus on incorporating the latest evidence into practice. Our high-quality, affordable programs are available in multiple in-person and online formats for registered nurses in virtually any specialty, practice setting or location.

Continuing Medical Education and Physician Lifelong Learning (CME) 1 participant

The Office of Continuing Medical Education (CME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Family Nutrition Program

The Family Nutrition Program (FNP) brought \$9,449,699.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 735,541 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 2,932,390 educational contacts. This year we had 2,242,249 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs, food pantries and the Show Me Nutrition help line. 1,104 of these participants reside in Dade 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.

During 2018, 374 youth and 730 adults were served through schools, community groups and agencies. The following is a list of the locations where participants were served in Dade County:

Schools	Agencies
Lockwood Elementary	Dade County (OACAC)
Greenfield Elementary & High Schools	Dade County Health Department
Immanuel Lutheran Church & School	Greenfield Senior Center
Greenfield Head Start (OACAC)	

In summary, it has been a successful year in Dade County for FNP. We look forward in 2019 to more programming opportunities and continued progress in helping to improve the lives of Missouri families.

Diabetes Self-Management Program (DSMP)

Program Mission

As a part of a partnership with Missouri Arthritis and Osteoporosis Program (MAOP), the DSMP teaches participants how to manage their Type 2 Diabetes through increasing their confidence in using skills learned in the educational programming.

Program Description

Individuals and families affected by diabetes regularly struggle with physical and psychological effects. Topics covered in the six sessions of the DSMP include exercise; symptom management; nutrition; getting proper rest; community resources; using medications appropriately; dealing with fear, anger, and depression; communicating with family, friends, and health professionals; problem-solving; decision-making; and delaying complications.

Program Impact

During program year 2018, there were 72 direct contacts in Dade County.

Participants indicated that this course has:

- 5 out of 5 strongly agrees or agrees-- made me more confident in my ability to take care of my diabetes/chronic condition.
- 3 out of 5 strongly agrees or agrees-- improved my ability to deal with problems caused by my diabetes/chronic condition.
- 3 out of 4 strongly agrees or agrees-- increased my independence and ability to carry-out routine daily activities.
- 3 out of 4 strongly agrees or agrees-- improved the physical symptoms caused by my diabetes/chronic condition.
- 4 out of 5 strongly agrees or agrees-- improved the emotional distress (i.e., depression, etc.) caused by my diabetes/chronic condition.
- 5 out of 5 strongly agrees or agrees-- led me to change something (action or knowledge) based on what I learned or experienced.

Youth and Families

Cooking Matters for KIDS

Program Mission

As part of the No Kid Hungry campaign to end childhood hunger in America, Share Our Strength's Cooking Matters teaches participants to shop smarter, use nutrition information to make healthier choices and cook delicious, affordable meals.

Description of Program Offerings

The participants in the six-week Cooking Matters courses are adults, teens and children who want to make healthy meals on a budget. They learn to shop smarter, use nutrition information to make healthier choices, and cook delicious, affordable meals.

Program Impact

Participation: During program year 2018, there were 148 direct contacts in the Cooking Matters program in Dade County.

Evaluation : After attending a Cooking Matters six-week course, participants report improved knowledge, skills, and understanding of maintaining a healthier dietary intake, using skills and recipes learned to improve their families diet, and using skills and knowledge to shop healthier and reduce food costs.

4-H Youth Development

4-H in Dade County

2018

A community of 54 youth building life skills, contributing to their community and becoming college and career ready.



Dade County 4-H Members attend
State 4-H Teen Conference in Columbia.

Pictured front row—Mitchell Gall, Blake Cossins; back
row—Mason Hayes, Bryar Brummett and Owen Neely

BUSY BEE 4-H



GLOW RUN



Promoting Healthy Lifestyles—Busy Bee 4-H Club
Sponsors the Glow Run in conjunction with
Lockwood's September Days Celebration

Youth and Families

4-H Youth Development

The purpose of the youth fair program is to provide an opportunity for personal growth and development of the young person. The more important purpose is to provide opportunities for young people to develop character. Dade County 4-H members participate in several fairs during the summer. Including the Dade County Youth Fair, the Ozark Empire Fair, the Missouri State Fair and Lockwood's September Days Celebration.



“As a 4-H member, I pledge that I shall at all times conduct myself with honesty, integrity and good sportsmanship; reflecting the highest standards of behavior and dignity while as an exhibitor of the Fair.”



Youth and Families

4-H Youth Development

4-H Clubs

4-H Participants = 53 Youth in 2 Clubs

Dade 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.



Community Service is an important part of 4-H. Here members of the Busy Bee 4-H Club are performing their community service through MODOT's Adopt-A-Highway Program



Owen Neely, of the Busy Bee 4-H Club, Lockwood, Mo., competed alongside 84 other youth from 34 counties at the State 4-H Public Speaking Contest on September 29, 2018

4-H Volunteers

4-H members are supported by 29 youth and adult volunteers

Volunteers are the core of the 4-H Program. They help to create, support and deliver educational programs and experiences. Missouri 4-H volunteers report contributing on average 100 hours per year to the program. Valuing their time at \$24.14 per hour (Independent Sector, 2017), the contribution of Dade County 4-H volunteers was worth more than \$70,000 in 2018. More importantly, these individuals serve as role models and mentors for youth.



Youth and Families

4-H Youth Development

Findings from a 2018 evaluation study reveals that Missouri 4-H:

Develops Leadership

81% of the Missouri 4-H'ers surveyed said they find it easy to speak up in a group.

89% reported feeling comfortable being a leader.

95% said 4-H is a place where they get to help make group decisions.

95% said 4-H is a place where you have a chance to be a leader.

97% said 4-H is a place where you learn about ways to help your community.

Builds Initiative

92% of Missouri 4-H'ers surveyed said they are willing to try something they might get wrong.

93% said they keep trying until they reach their goals.

97% said they try to learn from their mistakes.

98% said they are willing to work hard on something difficult.

99% reported that they like to learn new things.

Builds Connections for a Bright Future

92% said they like to learn about people who are different from them, and get along.

93% said they think about others feelings before they say something.

93% say they think about how their choices affect others.

97% said they treat others the way they want to be treated.

98% said they show respect for others ideas.

4-H'ers are twice as likely to go to college compared to their non 4-H peers and they tend to pursue careers in Science, Technology, Engineering and Math (STEM) fields (Lerner & Lerner, 2011). In 2018 Missouri 4-H connected 4,818 young people to University of Missouri campuses. Being on campus is a predictor of youth going onto higher education (Dalton & St. John, 2016).

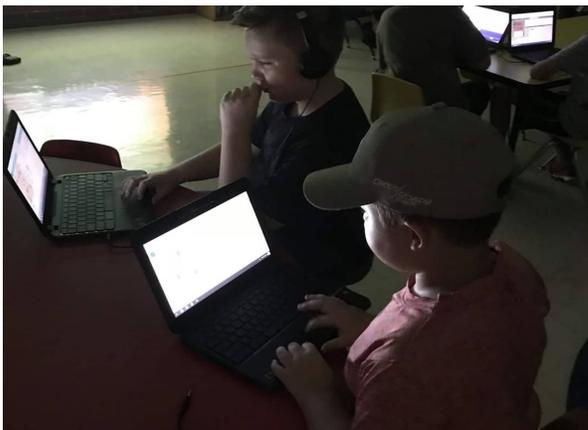


Dade County 4-H Member Practice Citizenship by Learning Flag Etiquette
at Southwest Regional 4-H Camp at Camp Smokey, Roaring River State Park, Cassville, MO

Youth and Families

4-H Youth Development

4-H also prepares youth for the work place. Youth must be prepared to live and work in a world we cannot completely envision – competing for jobs that do not yet exist, using technologies that have not yet been invented to solve problems that have yet to be identified. 4-H is the only youth development program with direct access to technological advances in agriculture, life sciences, engineering, learning technologies and social sciences from the university system. This brings relevant science content and hands-on learning that helps youth thrive (Arnold, Bourdeau, & Nott, 2013).



Dade County 4-H'ers engaging in Science, Technology, Engineering, Art and Mathematics (STEAM) Activities.

These are members of the Busy Bee 4-H Club in Lockwood.

Youth and Families

4-H Youth Development



The Dade County Commission issued a proclamation recognizing National 4-H Week on October 10, 2018

Dadeville 4-H



About 50 youth and adults from Dadeville and surrounding areas met at the Dadeville Community Building on Sunday, September 9, 2018 to form a new 4-H Club

Agriculture

93rd Forage and Crops Confer-

70 participants

The Dade County Forage and Crops Conference provides relevant information to farm producers of upcoming concerns in pasture and row crops grown in Dade County. Extension specialists deliver the latest research based information related to the current environment surrounding their operation.

Topics: Missouri Fence Laws; Understanding and Applying Your Soil Test



Private Pesticide Applicator Train-

(31) renewals; (14) new licenses

The Private Pesticide Applicator Training involves the initial training and recertification of Missouri's private pesticide applicators (ag producers). The need for training in the application of pesticides is of high importance due to both the legal requirements and a real need for technical knowledge. The University of Missouri private pesticide applicator program reaches into essentially each of Missouri's one hundred fourteen counties to train farmers on the safe and proper use of agricultural pesticides on their farmlands, including restricted-use pesticides.



Estate & Succession Planning Program in Lockwood

Are you confident your assets will go to your heirs the way you want them to? Have you taken steps to minimize family squabbles after you are gone? Do you know how to split the farm or business when only one child wants to return? Have you prepared your successor to take over and be successful in the future? Do you understand the tax implications? Are you effectively communicating with your kids? Do you know how to avoid probate? Do you know how to provide for your spouse or even your retirement needs while letting someone else take over? Do you understand what a power of attorney can do?

These are all difficult questions. Planning for your estate is something most people simply prefer to put off until a later day. But let's face it, none of us are getting out of this alive. Why spend your entire life working and building your business and assets to risk it all because we don't want to face hard and difficult decisions? The time for estate planning is now.

While you are at it, do not stop at just estate planning for the transfer of assets alone. If you own a farm or business, take the next step: succession planning. This is where you plan and prepare the next generation to take over at some point in time. If we don't do a good job with this step our legacy could end here. Succession planning is not turning over the checkbook the day after the funeral. It is a process that takes time and commitment to be successful.

Soil Testing

(33) soil tests

University of Missouri offers soil tests to be sent through the county offices to the soil testing lab in Columbia. These soil tests allow producers to see what is going on under their feet and make appropriate additions to the soil in order to obtain a desired yield. With each test, producers get a detailed report on pH levels, available phosphorus, potassium, calcium and magnesium; organic matter; acidity and cation exchange. These basic tests provide the necessary data to develop nitrogen, phosphorus and potash and ag lime recommendations for intended crops and intended yields.



Agriculture

Ag Lender Seminar 2018



Joe Horner, MU Ag. Economists presented the 2019 Crop and Livestock Outlook projections.



Jim Spencer Jr., MU Extension Field Specialist in Ag. Business– Christian County discussed Beef production planning budgets with the loan officers.



Jennifer Lutes, MU Extension County Engagement Specialists in Agriculture & Environment – McDonald County covered Farm tax changes.

Financial lenders from Dade County attended the 2018 Ag Lender Seminar in Mt. Vernon, Missouri. Agriculture lenders are in contact with more people involved in agriculture than any other single commercial institution. Many times those working with the financial support of many operations can have a tremendous influence on the management behavior of the producers.

Research-based information is needed for lenders to make sound business decisions for their lending institutions. Lenders must consider many economic forces when making lending decisions and this seminar focuses on key issues affecting those decisions.

Topics taught and discussed were: Livestock and Crop Outlooks, Land Prices and Pasture rent, Farm Tax Changes, Economics of Renovating Fescue Pastures and Farm Planning budgets. These programs were presented by; Joe Horner, MU Ag Economist, Jennifer Lutes, County Engagement Specialist in Agriculture & Environment and Jim Spencer Jr., Field Specialist in Ag. Business.

Each participant receives a book entitled “Missouri Farm Financial Outlook 2019.” The seminar booklet contains current articles on farm topics such as outlook, management and budgets for planning next year’s farm operations.

Evaluations indicate that the lenders thought the program was very valuable. The participants were asked to rate the program on a scale of 1 to 5 with 5 being very valuable. 88 % of the lenders rated the seminar as very valuable. Participants stated, “Budgets and outlook projections are very valuable to our institution and we use this seminar to estimate cash flow for our clients”.

Agriculture

Strategies and Economics of Feeding Cattle through the Winter

Knowledge gained

Participants were asked by evaluation their knowledge prior and after the meeting on the topics discussed during the meeting on a 5 point scale with 1 being low and 5 being high. 11 of the 13 participants provided evaluation results and the prior average was 2.4 while the post average was 3.7 which shows a 26% knowledge gained in the subject areas presented. Some of the specific knowledge gained included:

- corn gluten is high in sulfur and phosphorus, bovatec advantage.
- limit grain byproducts.
- feed mixes.
- cost benefits to mixing and buying grain over pre bagged name brand feeds.
- feeding more grain to supplement hay feeding.
- culling herd.
- need to separate or cows and fed with hay and grain.
- weaning process supplementing with rumensin or bovatec.



Patrick Davis MU Extension Field Specialist in Livestock – Cedar County discussed Feeding Strategies.



Jennifer Lutes, MU Extension County Engagement Specialist in Agriculture & Environment – McDonald County discussed Economic Strategies.

Short-term outcomes

Via evaluation here are some ways that participants plan to use knowledge gained:

- use bovatec cut back on corn gluten.
- using less corn gluten and more rolled corn.
- change feeding procedures.
- develop a feeding plan for the winter assess and or cull cattle better manage resources.
- send over hay test to Patrick to determine feed supplement Needs.
- get some cattle to sale.
- cull and separate the cows and supplement with grain for the Winter.
- culling and calculating what my time is worth.

Business Development

In Dade County during fiscal year 2018, the MU Extension Business Development Program (BDP) served seven people and their companies with business start-up and management counseling, training, and other assistance. In addition, entrepreneurs and business owners in Dade County reported the following economic impact and activity resulting from services provided by MU Extension BDP:

Government Contracts (one): \$7,000.00

Clients/Companies receiving Business Counseling : 3



A University of Missouri Extension Partner

State, Federal and County Funding for Extension Councils

University of Missouri Extension Programs in Dade County are funded by Dade County, state and federal appropriations. Local funding for support of the Dade County Extension Center is provided by the Dade County Commission. They provide office space, funds for office expenses, clerical salaries and travel expenses of extension specialist who conduct educational programs in Dade County. A special acknowledgement and appreciation is given to the Dade County Commission for financial assistance.

University of Missouri provides salaries and benefits for 1 paraprofessional staff member headquartered in Dade County. The University provides in-service training expenses, including travel and lodging for staff, postage for staff communications and matching funds for computer equipment costs and maintenance.

Financial Statement	
BEGINNING BALANCE	\$ 20,841
REVENUE	
County Appropriations	\$ 17,291.63
Gift/Grants/Donations	\$ 5,188.38
Refund/Rebates	\$ 5,053.62
Other Income	<u>\$ 3,461.06</u>
TOTAL REVENUE	\$ 30,994.64
EXPENSES	
Secretary Salary	\$ 12,294.51
Council Paid Benefits	\$ 927.92
Travel	\$ 2,354.22
Programs	\$ 1,273.66
Postage	\$ 970.90
Telephone	\$ 550.51
Supplies/Service	\$ 1,335.43
Surety Bond Insurance	\$ 211.00
Council Elections	\$ 133.13
Annual Meeting	\$ 153.86
Soil Test Expense	\$ 399.00
Publications	\$ 208.39
Repairs/Maintenance	\$ 510.11
Furniture/Equipment	\$ 578.60
Endowment	\$ 0.00
Fee Generation	\$ 800.00
4-H Expenses	<u>\$ 230.00</u>
TOTAL EXPENSES	\$ 22,941.24
CLOSING BALANCE	\$ 33,177.51
Designated Savings	\$ 6,917.71
Petty Cash	\$ 50.00
TOTAL ACCOUNT BALANCE	\$ 40,145.22