



UNIVERSITY OF MISSOURI EXTENSION

Dade County

2021 ANNUAL REPORT



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We are in your community.



 **Extension**
University of Missouri
an equal opportunity institution



Office of Extension
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December 1, 2021

Dear county commissioners and friends of MU Extension and Engagement,

As we look forward to 2022, I want to take a moment to celebrate all that we have accomplished together this year. You, our closest partners, are key to improving Missourians' lives and opportunities.

You have been vital to the work that has already extended broadband access and workforce development strategies statewide. You have helped us connect with the right partners, working together toward meaningful outcomes that will help our communities thrive in our areas of greatest need around the economy, education and health.

During MU Extension and Engagement Week in October, we learned about some of the ways that MU's NextGen Precision Health Initiative will help Missouri improve statewide health care indicators from our current ranking of 38th in the nation to 25th.

COVID-19 has shown us that we must expand investment in our health care resources, knowledge and infrastructure. It has exposed the urgent need to make research and expertise available in communities and to empower individuals and providers to address every aspect of individuals' and communities' health needs — including the inequities of social determinants and their effects on people's health.

Our extension faculty is poised to help identify those needs and be the bridge to the health care providers and caregivers, the clinical trials and public health initiatives that can deliver improved healthcare access and outcomes in every county across our state.

I hope you see the impact of your hard work this past year throughout this county annual report. I thank you for your continuing support as we recommit ourselves to do what we do best: help communities thrive through civic engagement, community building and neighborliness. We look forward to continuing the programs, partnerships, and sharing of knowledge that foster kindness, caring, respect and deep connections in the year and decade to come.

Sincerely,

Marshall Stewart, EdD
Vice Chancellor, MU Extension and Engagement
Chief Engagement Officer, UM System

Extension's Program Guidance Comes From You

The University of Missouri Extension Dade County Council and staff would like to thank the Dade County Commissioners for their continuous support and funding for programs. 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 emphasis areas in Dade County focus on agriculture, business and workforce, children and teens, family life, home and garden, and nutrition and health.

University of Missouri Extension is a partnership of the University of Missouri campuses, Lincoln University, the people of Missouri through county extension councils, and the U. S. Department of Agriculture's National Institute of Food and 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 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. We hope that this report provides a greater understanding about University of Missouri Extension programming efforts in Dade County.

Respectfully,

David Swanson

David Swanson, Council Chair

Robert McNary

Robert McNary, CES

Who We Are

Faculty and Staff



Robert McNary,
County
Engagement
Specialist in 4-H
Youth Development

Tina Brownsberger,
Administrative
Assistant

Amber Allen, Specialist in Human Development

Robert Balek, Specialist in Horticulture

Reagan Bluel, Specialist in Dairy

Patrick Davis, Specialist in Livestock

Katie Fields, Specialist in Business Development

Theresa Fossett, Nutrition Coordinator

Sarah Havens, Specialist in Natural Resources

Amy Patillo, Specialist in Workforce Development

Richard Proffer, Specialist in Community
Development

Lisa Robinson, Missouri Small Business
Development Center at MSSU

Maria Rodriguez Alcala, Specialist in Community
Economic Development

Jill Scheidt, Specialist in Agronomy

Travin Shelton, Specialist in Business
Development

Lindsey Stevenson, Specialist in Nutrition and
Health Education

Ken Surbrugg, Missouri Small Business
Development Center at MSSU

Allen Waldo, Specialist in Procurement Technical
Assistance Center

Council Members

David Swanson, Chairman
Linda Crane, Vice-chairman
Sandee Lyle, Secretary
Megan Allison, Treasurer
Matt Clay, Member
Barbie Cope, Member
Brian White, Eastern Commissioner
Courtney Harrison, Member
Susan Hawks, Member
Lesia Jones, Member
Michelle Kleeman, Dade County Youth Fair
Deann Miller, Member
Debbie Oeltjen, Member
Linda Eggerman, Co-City of Lockwood
Nancy Rasmussen, Co-City of Lockwood
Brian Worthington, Farm Bureau

Council Youth Representatives

Tucker Berry
Jodie Lewis
Isaiah Stephen



County Commissioner

(left to right)
Jake O'Connor, Western
Brian White, Eastern
Randy Daniel, Presiding

Budget and More

Appropriations Budget

Beginning Balance 56,602

Income

County Appropriations	18,917
Gifts/Grants/Contracts	2,205
Other Income	<u>5,876</u>
Total Income	26,998

Expenses

Salaries/Taxes	16,706
Travel	585
Program Development	3,632
Postage	474
Telephone	542
Publishing/Printing	640
Supplies/Services	1,138
Insurance	1,717
Council Election	119
Annual Meeting	151
Soil Testing	737
Publications	49
Repairs/Maintenance	954
Furniture/Equipment	0
4-H Endowment	20,000
4-H Expenses	<u>865</u>
Total Expenses	48,309

Closing Balance 35,241

Designated Savings	Closed
Petty Cash	50

Total Account Balance 35,291

Key Outcomes and Numbers

- ✓ 12 Extension Council meetings
- ✓ 1 Pearls of Production workshop
- ✓ 2 Abilities Awareness (Rural Development) workshops
- ✓ 1 Regional Grazing School
- ✓ 4 Stay Strong Stay Healthy programs
- ✓ Virtual Labor & Workforce programs (via Zoom) provided Disaster Preparedness, Economic Update, Protecting your Small Business and more.
- ✓ Virtual Soils & Crops Conference and Private Pesticide Applicator training (via Zoom) provided Management of Forages, Weed, Insect-pest and Disease Management, Market Outlook and more.
- ✓ Virtual Human Development workshops (via Zoom) provided Boost Your Brain & Memory, Mental Health First Aid, Building Strong Families and more.
- ✓ Virtual Town Hall workshops (via Zoom), kept producers up to date on Agriculture, Horticulture, Livestock practices and more.
- ✓ **3,583 educational contacts were served by our university system through Economic Opportunities, Educational Access & Excellence and Health & Well-being.**

MU Extension is a unique funding partnership.

Extension funding is a three-way partnership of federal, state and county government. Federal and state money, through the University of Missouri system, pay professional staff salaries, training costs, computers and communication equipment. County funds support the local office, secretarial and youth assistant salaries, staff mileage and council expenses.

The Dade County Extension Council, faculty and staff would like to express our appreciation to the Dade County Commissioners for their continued support of extension programs.

Local Support

Did you know you can donate directly to Dade County Extension with a gift to be used immediately or as an endowment contribution for long term effort? Monies put into the endowment are left forever to earn interest so that the county office may benefit each year. You can also direct your donation to a specific program such as 4-H or Master Gardeners.



Economic Opportunity

Greenfield City Garden

The Greenfield City Garden is a tremendous success and is going strong after three years. It all began, with a single person showed interest in a community garden and contacted the Dade County Extension Office, for guidance and information. After reviewing the information and talking with a MU Horticulture Specialist, she organized a group to Springfield to talk to their community gardens organizers and take a tour. An organizational meeting was held the end of January with 25 people in attendance. A garden site was located next to the City Maintenance barn where running water is available. The site was then tilled, and cardboard and straw were applied for weed control and mulching by volunteers and donations. Plots were available for \$10 and funds returned after the plot was cleaned up at the end of the growing season. Donations of blackberry bushes were planted around the perimeter of the garden. The half of the garden that hadn't be sold was donated to the local FFA Chapter to plant pumpkins as a fundraiser. At harvest time a party was held to celebrate the success of the garden. Praise from the Greenfield Chamber of Commerce and from the Greenfield City Council was expressed. All involved deemed it a success.



Year 1



Year 2



Year 3

Soil Testing

University of Missouri offers soil tests sent through the county offices to the soil testing lab in Columbia. These soil tests allow producers to 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, potash and ag lime recommendations for intended crops and intended yields. Dade County had 58 pasture and 5 lawn/garden soil samples submitted.

Private Pesticide Applicator Training

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 114 counties to train farmers on the safe and proper use of agricultural pesticides on their farmlands, including use of restricted pesticides. In-person and online trainings were held in 2021, along with computer labs available to provide producers access to obtaining synthetic auxin herbicide and gramoxone licenses. Dade County had 18 private pesticide licenses issued.



Regional Grazing School

Regional Grazing Schools are organized around Missouri to teach producers the basics on plant and economic benefits of rotational grazing. Local operations that utilize rotational grazing are toured and hands on allocation exercises are practiced. In 2021, 19 producers and 3 youth attended the Greenfield Grazing school.



Economic Opportunity

Annie's Project

Annie's Project is an educational program that was created specifically for women in agriculture. This 18-hour course is a discussion-based workshop bringing women together to learn from experts in production, financial management, human resources, marketing and the legal field. In 2021, Annie's Project was taught online for the first time in Missouri. Three online Annie's Project courses were offered with a total attendance of 48 participants. The participants attended a weekly 2.5 hour live interactive online session via Zoom and completed self-paced activities and videos. Topics included risk management, record keeping software, ownership of property, insurance, financial statements, spreadsheets, writing a business plan, estate planning, leases, marketing, communication issues, and personality traits.

As a result of participation in Annie's Project, women are equipped with the knowledge, skills, and abilities to make informed risk management decisions regarding their agriculture business operations. In addition to the knowledge gain, participants learned about resources that can assist them in making business decisions for their farming operations. Dade County had 1 participant.

Farm Tax Workshop

For the past few years, MU Extension has taught Farm Tax Workshops for farm businesses and families to include new legislation, tax changes, court cases, state tax issues and additional ag issues. The workshops are designed to convey information in a concise manner using information from the IRS and the Land Grant University Tax Education Foundation. The purpose of the classes is to get relevant and helpful information to farmers so they can make decisions and be better prepared to work with their professional tax preparer.

The workshops were a combination of in-person classrooms and online classes, with a total of 147 participants, four of whom were from Dade County.

Most participants completed an optional post survey. Eighty percent reported that they understood they were the one responsible for records and documentation and not their tax preparer. Seventy-five percent said they had a better understanding of how to use tax tools in purchasing farm assets (Section 179, Bonus Depreciation). Ninety-two percent recognized end of year tax planning is important. Seventy-eight percent reported they know where to find Farmer's Tax Guides and where to find additional information.

Many participants planned to take some action before the end of the year. Some of the planned actions included reviewing farm records (80%), meeting with tax preparer and communicate with family members (71%), communicating with family members about tax issues (62%) and plan on reviewing resources (56%) before purchasing begins in 2022.

Farm tax education workshops benefit individuals by increasing their understanding and knowledge, leading to more informed decisions and management of taxes. Better knowledge also leads to improved communications with their tax preparers and accountants. The result is researched and timely purchases of farm expenses, optimize income tax scenarios and improved profitability over time. Money saved in income taxes stays local and is spent in local businesses up and down main street, making a more vibrant and sustainable rural economy.

Pearls of Production

Pearls of Production is an innovative, hands-on program, targeted to full-time female producers. Programs included in 2021 were Low Stress Cattle Handling, Pesky Pasture Pests, Strategies of Cattle Marketing, USDA Electric ID Tags, Time Management for Farming Families, Utilizing your Soil Test, Rental Rate Agreements, Dangers of Sitting and Importance of Stretching. Participant class sizes ranged from 8—25 ladies.



Economic Opportunity

2021 Agriculture, Food & Forestry SBDC Center

In the summer of 2020, a joint partnership between MU Extension and the Small Business Development Centers (SBDC) created the Missouri SBDC for Agriculture, Food and Forestry. This partnership offers no-cost, one-on-one personalized assistance for business owners, entrepreneurs and farmers in Missouri. The center has a range of skills and specialties and serves all agricultural businesses with a particular focus on commercial horticulture, food and forestry, livestock and value-added meats.

Extension faculty who provide business counseling are located across the state to best serve the clients. They can assist with technical advice, financial management, business planning, business model pivots, value added propositions and many other services.

In 2021, 830 counseling sessions were held with 198 clients statewide, reaching 86 counties. These current or prospective business owners received one-on-one guidance and support as they pursued COVID-19 business relief or other financial applications, developed or updated their business plans, evaluated their property's agricultural potential, and made decisions to sustain, grow or transition their business. There were three total Ag SBDC Clients in Dade County.

2021 Southwest Missouri Ag Lenders Seminar

Each year, leading economists and ag business and policy specialists from MU Extension, Missouri Department of Agriculture and the MU Food and Agricultural Policy Research Institute provide updates for agricultural lenders. Topics include market outlooks, macroeconomic conditions, land values and rental rates, enterprise budgets, risk management tools, and changes to tax law such as earned income tax credit and the American Rescue Plan.

With these updates, ag lenders help their clients make informed decisions about market trends, risks and changes that affect borrowing and investment capacities.

In 2021, the Springfield location had 60 attendees from 18 different counties, including one from Dade County.



Online SW Mo. Beef Cattle Conference

This was an online conference held over two evenings that discussed three topics related to beef cattle production and management. The topic areas and presenters are as follows

1. Stocker cattle nutritional and health management-Eric Bailey MU Extension State Beef Cattle Nutrition Extension Specialist
2. Low-input heifer development system that produces profitable open feeder heifers-Jordan Thomas MU Extension State Beef Cattle Reproduction Specialist
3. Business management, COVID-19 considerations, and economics of a stocker operation-Wesley Tucker MU Extension Regional Ag Business Specialist

The conference was sponsored by Mo SBDC Ag Food and Forestry Center, MU Extension and MU+NRCS Grasslands Project. Dade County had seven participants.

Fence Law Workshop

This workshop was conducted as an in-person workshop, with the option to attend the workshop via Zoom. Workshop participants were educated on the Missouri fence law and any recent changes that might affect their farming operation. An MU Extension County Engagement Specialist in Agriculture and Environment that has knowledge in the area of fence law conducted the workshop via ZOOM. There was one Dade County participant that attended the Lamar, MO, in-person portion of the workshop.



Economic Opportunity

Labor and Workforce Development

Labor and Workforce Development Programs focus on tackling Missouri's many workforce issues by collaborating with state, regional, and community workforce partners. Key outcomes were The StrikeForce Farmer Development served 2,030 agriculture producers in Southwest and Southeast Missouri StrikeForce Counties, including 137 veterans, and 116 individuals identifying with a disability. Office of Partnerships and Public Engagement, Agriculture (USDA)-2501 project funded for Socially disadvantaged, farmers, Veterans, and ranchers, and Labor and Workforce Development participants of 3,974.



Regional Management Intensive Grazing School

This program is a collaboration between MU Extension, Natural Resource Conservation Service, Cedar County Soil and Water Conservation District, Missouri Grasslands Council, and the MU/NRCS Grasslands Project. The goal of the three-day school is to educate the attendees to help them manage grazing of their livestock pastures more efficiently so that they reduce the need to feed stored feed resources, which ultimately leads to optimum profitability of their livestock operation. In addition, the participants received hands-on learning by touring two management intensive grazing systems and learning from the landowners about these systems. More education is provided by MU Extension field specialists in the areas of ag business, agronomy and livestock as well as NRCS employees. Twenty participants were educated as part of this school, three were from Dade County.



Whole System Management of Beef Cattle Reproduction Workshop

This workshop was a collaboration between the MU Extension State Beef Cattle Reproduction Specialist and field specialists in the area of livestock and agronomy. Educational topics included discussion of aspects of cow reproductive management, replacement heifer breeding and development, cattle body condition score management and energy balance as it related to cow reproduction, forage considerations, bull management. This workshop took place at the MU Southwest Research Extension and Education Center and educated a total of 16 participants, three were from Dade County.

Missouri Steer Feedout

The Missouri Steer Feedout is a viable means of allowing cow-calf producers a chance to have their calves evaluated in the feedlot and on the rail. 2021 Dade County participants were Carrier Muddy Creek Angus, Lockwood, and Gerald Eggerman, South Greenfield.



Michael Cook, Lockwood and Gerald Eggerman, South Greenfield brought in Angus bulls for the 2021 Performance Tested Bull Sale in Springfield.

Ability Awareness (Rural Development Needs Support)

Topic: Autism 101 & Next Steps, Alicia Curran with ECHO autism Finding support for disabilities is a struggle in rural Missouri. Treatment and support are usually in larger cities. Figuring out where to start is a difficult and lonely journey. University of Missouri Extension, Missouri AgrAbility and ECHO Autism are partnering to bring expert advice and a place to connect and work together to build a support system connecting families and offering expert advice in rural Missouri. Dade had 26 attendees.



Educational Access & Excellence

4-H in Dade County... A community of 71 youth building life skills, contributing to their community to become college and career ready. Findings from a 2020-21 evaluation study reveals that Missouri 4-H:

Missouri 4-H Inspires Kids to Do

97% said they are willing to work hard on something difficult.
80% set personal goals.
97% said they try to learn from their mistakes.
99% said they treat others the way they want to be treated.

Missouri 4-H Grows True Leaders

92% said they like to learn about people who are different from them.
91% said they think about others feelings before they say something.
73% reported feeling comfortable being a leader.

4-H Builds Leadership and Communication Skills

91% help others reach their goals.
69% comfortable speaking in a group.
98% said they show respect for other's ideas.
85% Can work with someone who made them upset.
91% Look for ways to involve all members of a group.

4-H Builds Social and Emotional Skills

92% said they keep trying until they reach their goals.
88% Stop to think about their choices when making a decision.
99% reported that they like to learn new things.
93% said they are willing to try something they might get wrong.
(Source: Cindy Wells)

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 Mathematics (STEM) fields (Lerner & Lerner, 2011).

Youth who earn a bachelor's degree increase annual earnings by \$2 million over their lifetime (U.S. News and World Report, 2011). If 50% of the Dade youth participating in 4-H events receive a Bachelor's degree, 4-H would help young people acquire \$72 million more in lifetime earnings.

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).

In Dade, 71 were engaged in science related projects and experiences.

References:

- Arnold, M., Bourdeau, V., & Nott, B. (2013). Measuring science inquiry skills in youth development programs: The Science Process Skills Inventory, *Journal of Youth Development*, 8(1).
- Dalton, R., & St. John, E. (2016). *College for every student: A practitioner's guide to building college and career readiness*. New York, NY: Routledge.
- Independent Sector (2021). Independent sector releases new value of volunteer time of \$28.54 per hour. Retrieved from <https://independentsector.org/news-post/independent-sector-releases-new-value-of-volunteer-time-of-28-54-per-hour/>
- Lerner, R.M., Lerner, J.V. (2011). The positive development of youth: Report of the findings from the first seven years of the *4-H Study of Positive Youth Development*. Retrieved from <http://www.4-h.org/about/youth-development-research/>
- U.S. News and World Report (2011). How Higher Education Affects Lifetime Salary. Retrieved from <https://www.usnews.com/education/best-colleges/articles/2011/08/05/how-higher-education-affects-lifetime-salary>



Educational Access & Excellence

4-H Clubs

- 4-H participants = 71 total youth in (3) 4-H 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 ranging from computers science and arts to animal science and healthy living. Clubs also involve youth in community service, camping and educational trips.

Volunteers

- 4-H members are supported by 20 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 \$28.54 per hour (Independent Sector, 2021), the contribution of Dade 4-H volunteers was worth more than \$50,000 in 2021. More importantly, these individuals serve as role models and mentors for youth.

Camp

- Camp this year took on a different form. Instead of group camping at Camp Smokey, because of COVID, we gave our 4-H members and their families opportunities to participate in day-camps.
- The Show Me Your Animals camp highlighted animal projects with showing, grooming and care. There were also sessions on meats and service dogs.
- The Explore Your Creativity camp highlighted arts and crafts, including photography, filmmaking, painting, decorating cakes, etc.
- The Outdoor Adventures camp was held at Dogwood Canyon in Lampe, MO. It highlighted exploring the outdoors with towering bluffs, waterfalls, creeks and wildlife. It also included bicycling, hiking, GPS, entomology, animal track identification, etc.



Participants from Dade County included:(7-Members & 2-Clover Kids)

- | | | | |
|------------------|-------------------------|-------------------|----------------------|
| • Annie Neely | Show Me Your Animals | • Lane O 'Riley | Show Me Your Animals |
| • Miles Neely | Show Me Your Animals | • Harper Prichard | Show Me Your Animals |
| • Ike Neely | Show Me Your Animals | • Lyla Prichard | Show Me Your Animals |
| • Nora Divine | Explore Your Creativity | • Henry Goose | Outdoor Adventures |
| • Benjamin Goose | Outdoor Adventures | | |

Dadeville 4-H

- On November 11, the 4H group donated \$1300 to the Dadeville school during a school board meeting to help purchase new welders and supplies to be used by both the 4H welding project group and the students at the Dadeville School. The 4H group raised the money by raffling a custom made firepit made by the group's welding project leader, Teddy McMasters, and with donations from the community. The 4H group would like to thank the citizens of Dadeville for their support, so we can keep giving back to our community.



Pictured: Josh Worthington, Dadeville School Board President, receiving a check from Lilli Leighton, Dadeville 4H President, as well as other 4H members in attendance.



Educational Access & Excellence

Regional Action-packed Trip for Teens (RATT)

- RATT is Southwest Missouri's 4-H day long trip that allows teens a chance to network and learn to know each other better along with providing leadership and strengthening youth adult partnerships. The trip is 100% for 4-H teens ages 13 – 18. The teens design and plan a trip for their region. The region is a 17 county area in Southwest Missouri in which most of the teens do a lot of activities together such as Camps, Trainings, Achievement Days, etc. The major objective of the 4-H Staff is to involve the teens in planning an event, working together, making presentations, exploring new information, budgeting, promoting, and working with adults to meet their objectives while having fun and learning something along the way. The 4-H Staff, requires the trip to have an educational component, not just a recreational “fun” trip. Every year the groups goes to a new place and new people join the regional teen council, so new knowledge and skills are involved each year. This year's trip was to Northwest Arkansas.



Participants from Dade County included:

- Kayl Banta
- Easton Cossins
- Noah Groose
- Aubrey Hanak
- Lilli Leighton
- Annie Neely
- Miles Neely
- Lyla Prichard

Dade County Youth Fair

- 92 Youth exhibited 148 animals including, sheep, beef cattle, dairy cattle, meat goats, dairy goats, swine, dogs, rabbits, equine and poultry.
- 42 youth exhibited 132 indoor projects including beef, bucket calf, horseless horse, poultry, arts and crafts, photography, cake decorating, sewing, foods, bowling, golf, wildlife conservation, sportfishing, shooting sports, welding, woodworking, robotics entomology, agronomy and clover kids.



National 4-H Week Proclamation

- 4-H is America's largest youth development organization, having supported almost six million youth across the country thus far, and 4-H has helped 71 youth in Dade County to become confident, independent, resilient and compassionate leaders.
- 4-H is delivered by Cooperative Extension - a community of more than 100 public universities across the nation that provides experiences where young people learn by doing in hands- on projects in areas including health, science, agriculture and citizenship.
- The Dade County Commission proclaimed October 6-12, 2021 as NATIONAL 4-H WEEK throughout Dade County and encouraged all of our citizens to recognize 4-H for the significant impact it has made and continues to make by empowering youth with the skills they need to lead for a lifetime.





Health & Well-Being

SNAP-Ed Public Value Statement 2021

The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$9,646,109 in federal funds to Missouri. The funds support engagement with 485,010 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri. There were 321,372 direct educational contacts. This year we had 1,383,799 indirect educational contacts through newsletters, health fairs, food pantries, and the Show Me Nutrition helpline, and 851 direct and indirect contacts in Dade County.

Participants in SNAP-Ed learn the importance of making healthier meals and snack choices, eating breakfast more often, are more willing to try new foods, increase their physical activity, and make healthier food choices. Those who practice healthy eating and are physically active are more likely to contribute to a healthy labor force and enjoy a high quality of life throughout the lifespan. This vital programming effort also reduces healthcare costs over the participant's lifetime, saving taxpayer money in reduced public healthcare benefits and insurance premiums.

Nutrition Program Associate, Melissa Briggs, taught at both Greenfield Head Start and OACAC in 2021 and shared the following success story: Post COVID I was allowed to return to in-person programming at Greenfield Head Start with the stipulation that all lessons would be conducted outside. Considering the outside environment, I chose to offer the Healthy Plants, Healthy Bodies and Grow It, Try It, Like It curricula. The students planted, grew, harvested and/or sampled potatoes, broccoli, yellow crookneck squash, spinach, radishes, lettuce, green beans, cucumbers, broccoli, tomatoes, peppers and sunflowers. We made the non-toxic garden spray, and the kids sprayed the broccoli plants to ward off any cabbage worms and garden pests from eating the plants, as broccoli is notoriously susceptible to unwanted insects. Weeks later the kids harvested seven heads of pest-free broccoli. The school cook prepared the broccoli which was then served for the students' school lunches.



Human Development and Family Science

Human Development and Family Science has provided innovating programs to increase impact that will foster community engagement, increase community collaboration and shift community and social norms. 2021 has included virtual, in-person, and hybrid programming related to aging well, mental health, stress management, childcare provider professional development and various other human development and family science subjects. These 151 sessions of programming through 76 programs, lead to a total of 2,289 direct contacts and 1,552 participants. The program impacts related to childcare programming provides statewide clock hours for professional development for childcare providers who are required to obtain 12 hours each year.



Health & Well-Being

Stay Strong, Stay Healthy-Level 1 and 2

Stay Strong, Stay Healthy helps participants increase their ability to complete activities of daily living, physical activity, and improve strength, balance and flexibility, resulting in reduced risk for falls, better overall health and greater independence. It provides older adults with access to a safe, structured and effective exercise program capable of building muscle and increasing bone density. Participants meet the Centers for Disease Control and Prevention’s physical activity recommendations, which call for strengthening activities that work all major muscle groups at least two days a week in addition to aerobic activities such as walking or swimming. All of these measures help improve ability to perform activities of daily living and maintain independence. 20 participants in Greenfield.



Healthy Rewards

Healthy Rewards is a pilot project in the southwest corner of the state for caregivers, teachers, and youth. The goal of the program is to help youth establish a better relationship with food for a lifetime. Healthy Rewards promotes the idea that rewarding positive or desirable behavior or accomplishments with food is not beneficial for the long-term health of the student. The program then offers alternative ideas for rewards using non-food items or activities. Four (4) teachers from Greenfield Schools participated in this pilot project for Dade County.

Council Highlights

Extension Council Election

County Extension Council members and MU Extension faculty put the interests and concerns of local people together with the resources of our land-grant university so people can obtain their goals. Throughout Missouri, Extension Councils and MU Extension professionals have found ways MU Extension can help.

Since Extension Councils work in partnership with MU Extension, the variety of educational programs are nearly unlimited. MU Extension faculty and council members have access to a wide range of expertise, working with state agencies and other organizations. MU Extension faculty can draw from research across the nation and the world.



Newly elected Matt Clay, Lesia Jones and Barbie Cope

Leadership Training

The purpose of Leadership Training is to develop councils who can make extraordinary things happen in our councils and communities. The five practices of exemplary leadership can help our councils transform values into actions, transform visions into realities and to make a difference in our communities as we turn challenges into successes. This training is to embolden our Councils to think about how they fit into the community and what, if anything, they need to do to remain relevant and meet the future needs of Missourians in our local communities.



Tucker Berry and Jay Chism, Regional Director

County Highlights

2020 Leader's Honor Roll

The Leaders Honor Roll program is intended to honor outstanding community leaders and volunteers who have excelled in supporting, educating, and advancing MU Extension or 4-H in their communities and Counties. They are those who's community leadership efforts support the University of Missouri Extension's strategic direction and program priorities to enhance economic viability, build strong individuals, families and communities, create and sustain healthy environments.



Grant Hedeman & Annie Hedeman



Deanna Cross, Stanley Backs & Norman Backs

2021 Dade County Century Farms

In 1976, the Centennial Farm project was initiated in Missouri to award certificates to persons owning farms that had been in the same family for 100 years or more. Interest in the program continued so the College of Agriculture, Food and Natural Resources and University of Missouri Extension planned a 10-year update in 1986 called the Century Farm program. The Missouri Farm Bureau joined as a program co-sponsor in 2008. This program has been sustained as a yearly event with over 100 farms recognized each year. These farms represent both Missouri's cultural heritage and the good stewardship that our farmers strive for. 2021 recognized 3 Backs Family Farms.

Missouri State Fair Farm Family

Each year, the MU Extension in Dade County and the Dade County Farm Bureau selects a local farm family, who are active in their communities, involved in agriculture and/or who participate in local outreach and extension programs such as 4-H or FFA, to represent Dade County at the Missouri State Fair.



Chance, Michelle, Kody & Kolton Kleeman

MU Extension & Engagement Week 2021 – Day of Service

As part of the University of Missouri Extension and Engagement Week, county offices were encouraged to offer a "Day of Service" in their communities. This service day was an excellent opportunity to engage with the community and offer beyond our normal educational programs a more personable approach.



Tina Brownsberger & Bob McNary, CES

Bob McNary, County Engagement Specialist and Tina Brownsberger, County Secretary were given the opportunity to volunteer for the Dade County Ozarks Area Community Action Corporation Center in distributing essential food items provided by the Ozarks Food Harvest Food Mobile on Thursday, October 21, 2021. There were 150 households (271 family members) served by 28 volunteers from local businesses, churches, individuals and OACAC staff.

Scoops Across Missouri

Missouri celebrated its 200th Birthday on August 10, 2021. Several Dade County individuals, including Linda Eggerman, and local agencies facilitated an ice cream social in honor of this occasion. The celebration also recognized Dade County's 180th Birthday, The Missouri Governor's Mansion's 150th Birthday and William Penn's Cabin's 184th Birthday. There were costume contests prizes and recognition of the oldest Dade County Veteran, GD Myers. Missouri Century Farms were also acknowledged.

County Highlights



DC Youth Fair – Bucket Calf



DC Youth Fair – Horse



DC Youth Fair – Sheep



DC Youth Fair - Poultry



DC Youth Fair - Rabbits



DC Youth Fair – Dogs

Dade County



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UM System Footprint in the county in 2021



FY21 county students

13 students

- 8 Undergraduates
- 5 Graduate and professional students
- 10 Full-time students
- 3 Part-time students



County employees and retirees

2 people employed by UM

- 2 Campuses



County alumni

Selected school alumni

- 3 Medicine
- 6 Nursing
- 3 Health Professions
- 2 Dentistry
- 1 Pharmacy
- 1 Optometry
- 6 Veterinary Medicine
- 19 Agriculture
- 16 Engineering
- 4 Law

Alumni teaching K-12

- 5 teachers
- 4.2% of all district teachers
- 1 principal or administrator
- 11.1% of all district principals and administrators



County breakdown

MU

- 8 students
- 69 alumni
- 2 employees

UMKC

- 2 students
- 12 alumni
- 0 employees

Missouri S&T

- 3 students
- 18 alumni
- 0 employees

UMSL

- 0 students
- 4 alumni
- 0 employees



County properties and offices

MU Extension in: Dade County



County population: 7,578



County services provided

Health care (FY21)

- 23 in-state patients seen at MU Health Care, with \$22,709 of uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 59 visits to patients having a ZIP code associated with the county

Extension (2020)

- 3,583 Total educational contacts from MU Extension to residents of the county, including:
- 116 contacts related to productive farming, better gardening, and managing natural resources
- 3,097 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 370 contacts related to starting businesses, developing community leaders, or renewing the local economy

Dade County



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UM System Statewide Footprint

Economic and Community Development Highlights

- In 2019, Business Development Specialists worked with small businesses and entrepreneurs statewide to create or retain 54,494 jobs.



For every dollar invested from 2015 to 2017, the MU Extension Business Development Program has returned \$120 in economic impact for its clients by increasing sales more than \$1.19 billion. For a total impact of \$2.7 billion, the program has generated more than 29,000 jobs and attracted nearly \$347 million in capital investments and \$1.17 billion in government contracts.

- Between FY15 and FY20, UM System brought Missouri more than \$1.27 billion in federal and private research funds, funded primarily from outside the state but spent within the state.



In FY21, UM System was issued 30 patents and filed 60 new U.S. patent applications.

- In FY21, the UM System awarded 722 design and construction project contracts throughout Missouri, for a total investment of \$132.0 million in the state.



In FY21, MU Health Care's Missouri Telehealth Network Show-Me ECHO Program participated in 24,400 hours of case-based discussions with 3,017 community providers located in underserved areas in the City of St. Louis and 111 of the 114 Missouri counties.

Education and Training Provided



50,604 police, fire fighters, and medical professionals attending continuing education (2020)



Agriculture and natural resource programs served 147,623 farmers and related businesses (2020)

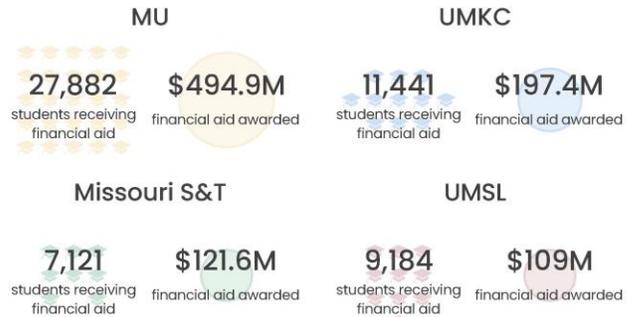


295,444 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2020)

Education Highlights

FY21 Financial Aid Awards

In FY21, 71.1% of the UM System's 78,208 students received financial aid totaling \$923 million



UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 57 higher education institutions (250,187 students), 491 K-12 school districts (850,000 students) and 136 public libraries (serving nearly 3 million Missourians) in 2020.

- UM System awarded 50.4% of the 30,932 Bachelor's or higher degrees awarded by Missouri four-year public institutions in 2020-21.
- UM System awarded 39.2% of the 1,897 research doctorates and 26.4% of the 3,606 professional doctorates awarded by Missouri public and not-for-profit private institutions in 2020-21.
- In 2021, UM System's \$22.5 million in National Science Foundation (NSF) grants represented 84.1% of all NSF grants made to Missouri public colleges and universities.

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 2021, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • Office of Social and Economic Data Analysis (OSEDA) • Center for Applied Research and Engagement Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Dept. of Health and Human Services • National Science Foundation





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