



UNIVERSITY OF MISSOURI EXTENSION

Dunklin County

2017 ANNUAL REPORT

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Who we are

Dunklin County Extension Council

Emily Modlin Chris Kasier
 Linda Lesslie Sandy Self
 Sherry McClelland
 Susan Moore
 Theresa Martinez
 Danny Ray
 Jim Shepard
 Carol Keys
 Carl McDaniel
 Jake Nelson

Dunklin County faculty and staff

Michael R. Milam
 Agronomy Specialist and County Program Director

 Kim Holsten
 County Office Support Staff

 Lavonda Swindle
 Nutrition Program Associate

 Sharon Sutherland
 Nutrition Program Associate

Staff serving Dunklin County, (based in other counties)

Sarah Denkler
 Horticulture Specialist

 Mary Engram
 Human Development and Family Science Specialist

 Ashley Bales
 Family Financial Education

 Stephanie Milner
 4-H Youth Development Specialist
 David Reinbott
 Agriculture Business Specialist

Dunklin County Commissioners

Don Collins
 Presiding

 Ron Huber
 1st District

 Patrick McHaney
 2nd District

 Kent Hampton
 County Clerk

2017 Dunklin County University of Missouri Extension Council operating budget

Personnel Salary	\$21,213
FICA-FUTA	1,623
Health Insurance	2,160
Travel	2,880
Communications	3,852
Supplies/Material	2,700
Rent Space	6,000
Insurance	1,415
Equipment Repair	300
Other	<u>1,593</u>
Total	\$43,736
Appropriation	<u>37,000</u>
Over Budget	\$ 6,136

State legislators

Andrew McDaniel
 Representative District 150

 Doug Libla
 Representative District 25

About us

Location:
 233 North Main, Kennett,
 Missouri 63857

Hours:
 8:30 am to 4:30 pm

Contact info:
 573.888.4722



December 4, 2017

VICE CHANCELLOR'S OFFICE

108 Whitten Hall
Columbia, MO 65211

PHONE: (573) 882-7477

FAX: (573) 882-1955

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, and 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,

A handwritten signature in black ink that reads 'Marshall Stewart'.

Marshall Stewart, Ed.D.

Vice Chancellor for Extension and Engagement

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UNIVERSITY OF MISSOURI EXTENSION

Dunklin County

Dear Friends of Extension:

Thank you continuing to make University of Missouri Extension relevant and successful in providing educational programs for citizens of Dunklin County. This annual report outlines the success MU Extension has had in Dunklin County in 2017.

We are pleased to provide a brief overview of some of those successes. Dunklin County citizens helped determine our programming focus by defining local needs and priorities. Program emphasis areas include agriculture, business and economic development, strengthening families, enhancing health and nutrition, protecting the environment and youth development. Efforts to provide this programming include short courses, meetings, newsletters, telephone consultation and one-on-one interaction.

The success of University of Missouri Extension in Dunklin County depends upon the dedication and support of members of the Extension Council. The council assists staff with planning and implementing programs by communicating the interests and concerns of local citizens. Programming requires the best efforts of our partnerships in the state to maximize and apply our resources where the greatest impact can be made.

As we address the challenges of the future, we appreciate the continued support and hard work of the Dunklin County Commission. In addition, we salute the many volunteers, community leaders, organizations and businesses, extension council members and staff who have given of their time and talents. Together we look forward to enhancing the economic well-being and improving the lives of the citizens of Dunklin County in 2018.

Emily Modlin
Dunklin County Extension
Council Chair

Mike Milam
Dunklin County
County Program Director

FAMILY NUTRITION PROGRAM (FNP) DUNKLIN COUNTY



**Lavonda Swindle and
Sharon Sutherland**
Nutrition Program Associate



Number of Dunklin County Learners	Total Hours of Collective Workshop Participation in 2017	What Did They Learn?	What Action Did They Take?	How Does This Work Make Dunklin County and Missouri Better?
<p>University of Missouri Extension's Family Nutrition Program (FNP) reached 19,476 participants. Of that number, 4,535 were direct and 14,941 indirect nutrition education in Dunklin County during 2017. A significant percentage of these participants were low income. FNP provides information on nutrition, food safety, gardening, and physical activity for lifelong health and fitness by working with qualifying schools, community groups and agencies.</p>	<p>3399 collective workshop hours</p>	<p>Youth from Pre-school to 12th 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 included nutrition, food safety, and physical activity, as well as food resource management.</p>	<p>Nutrition Program Associates (NPA's) teach in schools and other grant eligible locations in the county to help participants make healthier choices and build healthy habits. In addition, through indirect teaching and health fairs or other one-time workshops, they affect many people that they are unable to actually see in a classroom setting.</p>	<p>FNP Public Value Statement 2017 The Family Nutrition Program (FNP) brought \$9,681,129.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 838,295 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 3,831,270 educational contacts. This year we had 3,064,781 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs; food pantries and the Show Me Nutrition help line. 19,476 of these participants reside in Dunklin 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.</p>

Photos for Dunklin County



Tomatoes are growing great!
Kids and teachers are excited!!!

Success Stories for Dunklin County:

It is harvest time for squash at the community garden. I was showing the inmates from Probation and Parole how they can have a healthy snack by eating raw yellow squash. Now they pick the squash first thing in the morning. They wash it and put it in the water cooler so they can have a cool refreshing snack in the afternoon.

Sharon Sutherland

I started teaching "Eating from the Garden" using the aero garden in one of my classrooms in February. The children were so excited when I brought the garden to their classroom. I explained in detail each step as they prepared and planted in the aero garden. I have gone back into the classroom recently, and as soon as I walked in, they take me to the aero garden to show me how much it has grown. They tell me how they have added water and nutrients to the garden so it can grow. They are so excited. The teacher stated that the garden is the first thing they talk about each morning and they check to see if it needs water or nutrients. The goal of the aero-garden is to transplant the tomato plants into a container as soon as weather allows. I have heard several children from the class say that they have started seeds at home and their families are going to have a small garden this year. When I ask what they planned to plant, the first thing they say is tomatoes I know that because we have planted tomato's in the aero garden. The students have also told me what recipes they are going to make with the tomatoes. I know this has made a huge impact at home because when I see the parents out in the community, they tell me how their children come home talking about growing plants in the classroom and how they convinced them (the parents) to start growing plants at home.

Lavonda Swindle

Dunklin County



A community of eight 4-H youth participants youth building life skills, engaging in science and contributing to their community.

4-H youth are equipped with the knowledge, skills, attitudes and health for the 21st century workforce. 4-H youth are engaged in programs anchored in science (Arnold, Bourdeau, & Nott, 2013).

A study from Tufts University reports that young people in “4-H far outperform their non-4-H peers” in developing the skills, leadership and interest in science and science careers that drive our nation’s future. In fact, 4-H’ers are more likely to pursue careers related to science, engineering and technology because they spend more time engaging in science programs (Lerner & Lerner, 2011). It is not surprising that 4-H youth are three times more likely to go into science related careers than similar peers (Lerner & Lerner, 2008).

MU Extension 4-H connects 5,176 young people to University of Missouri campuses.

Being on campus is a predictor of youth going onto higher education (Dalton & St. John, 2016). 4-H youth are nearly twice as likely to go to college compared to their non 4-H peers (Lerner & Lerner, 2011).

The U.S. needs young people prepared to live and work in a world that no one can imagine – jobs that do not yet exist, using technology that has not been invented, solving problems that have not yet been identified. In Dunklin, 8 of 4-H Members were engaged in science related projects and experiences.

Youth who earn a bachelor’s degree increase annual earnings by \$2 million over their lifetime (NACUBO, 2012). If 50% of the Dunklin youth participating in 4-H events on a college campus receive a Bachelor’s degree, 4-H would help young people acquire \$8,000,000 more of lifetime earnings.

4-H clubs

4-H participants = 8

Dunklin 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.

4-H school programs

4-H participants = 210

Dunklin County 4-H school enrichment programs are short-term educational experiences that supplement learning in the classroom. Teachers, 4-H volunteers or 4-H staff lead these activities. The most popular 4-H school program in Dunklin County is Ecology Day.

4-H members supported by 11 youth and adult volunteers Time valued at
\$26,554

Volunteers create, support and are part of the 4-H community. Missouri 4-H volunteers responding to a survey report they contribute on average 100 hours per year. Valuing their time at \$24.14 per hour (Independent Sector, 2017), the contribution of Dunklin 4-H volunteers was worth more than \$26,554 in 2017. More importantly, these individuals serve as role models and mentors for youth helping them transition into adulthood.

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 (2017). Independent sector releases new value of volunteer time of \$24.14 per hour. Retrieved from <http://independentsector.org/news-post/value-volunteertime/>

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/>

Lerner, R.M., Lerner, J. V. (2008). *4-H study of positive youth development*. Boston, MA: Tufts University.

National Association of College and University Business Officers (2012). Lifetime earnings: College graduates still earn more. Retrieved from http://www.nacubo.org/Research/Research_News/Lifetime_Earnings_College_Graduates_Still_Earn_More.html



Stephanie Milner
4-H Youth Development Specialist

4-H Livestock Show Pictures



4-H Livestock Show Pictures



Livestock Pictures



Back row: Matt Mobley (Auctioneer), Logan, Jan McElwrath
Front row: Caleb, Shelbi and Katie

Agriculture Business

Agriculture Business Programs	What Did They Learn?	What Action Did They Take?	How Does This Make the County, Region, and Missouri Better?
Economic and Financial Analysis Total region participants from e-newsletter, phone, emails, texts, web site - 1800	<ul style="list-style-type: none"> • FINPACK® analysis • Decision Tools – Spreadsheets • Crop insurance analysis • Grain Marketing & Farm Management E- Newsletter • Grain Storage and Drying • Farm Accounting • Enterprise analysis • Financial statements • SE Missouri Crop Budgets • Irrigation Costs & Returns • Farm Lease & Crop Rents 	<ul style="list-style-type: none"> • Producers analyzed personal financial documents to determine financial stability • Producers developed business plans to start and expand their operation • Producers have decision tools for crop budgeting, rental analysis, irrigation systems, grain storage, grain marketing, financial analysis, and farm acquisitions • Producers can better analyze the cost, returns and risks of crop rent versus cash rent • Producers can develop marketing plans to increase profitability by understanding the relationship between supply and demand, seasonal trends, and technical analysis through charting • Producers can use the marketing tools available to decide between harvest sales or utilize storage for futures 	<ul style="list-style-type: none"> • Agriculture business programs provide education that increases and and/or stabilizes farm incomes, which leads to a more stable rural/farm economy • A robust and stable agriculture sector of the economy enhances the well-being of the county, region, and state residents by providing income, jobs, food, clothes, shelter, and energy • A profitable and stable farm business provides job opportunities for the citizens in the county • A profitable and stable farm business will provide greater tax revenues for the county, region, and state
Markets and Marketing Total region participants - 250	<ul style="list-style-type: none"> • Ag commodity market analysis • Market outlook for crops • Crop marketing tools • Charting and Technical Analysis • Hedging and Risk Management grain crops 	<ul style="list-style-type: none"> • Producers analyzed personal financial documents to determine financial stability • Producers developed business plans to start and expand their operation • Producers have decision tools for crop budgeting, rental analysis, irrigation systems, grain storage, grain marketing, financial analysis, and farm acquisitions • Producers can better analyze the cost, returns and risks of crop rent versus cash rent • Producers can develop marketing plans to increase profitability by understanding the relationship between supply and demand, seasonal trends, and technical analysis through charting • Producers can use the marketing tools available to decide between harvest sales or utilize storage for futures 	<ul style="list-style-type: none"> • Agriculture business programs provide education that increases and and/or stabilizes farm incomes, which leads to a more stable rural/farm economy • A robust and stable agriculture sector of the economy enhances the well-being of the county, region, and state residents by providing income, jobs, food, clothes, shelter, and energy • A profitable and stable farm business provides job opportunities for the citizens in the county • A profitable and stable farm business will provide greater tax revenues for the county, region, and state

Agriculture and Farm Policy Analysis Total region participants - 200	<ul style="list-style-type: none"> • Understanding farm policy development, implications provisions • Farm Program and Farm Bill Analysis 	<p>and/or basis appreciation</p> <ul style="list-style-type: none"> • Producers know the annual farm program payments from PLC and ARC-Co for cash flow analysis 	<ul style="list-style-type: none"> • A profitable and growing farm business will provide career opportunities for the next generation to stay on the farm instead of leaving the county, region and state
Agriculture Seminars and Conferences Total region participants - 450	<ul style="list-style-type: none"> • Agriculture Lender Seminar • Regional Commodity Conferences – Corn, Soybeans, Cotton, Rice, and Wheat • Farm Bill Conferences • Financial Management Conference 	<ul style="list-style-type: none"> • The lenders have a better understanding of the market and financial outlook and how to assist their clients in sound financial decisions • Producers and industry will make management decisions based on the latest research-based information 	<ul style="list-style-type: none"> • Citizens with the latest research based information from the University of Missouri will make informed decisions that will have a positive economic and social impact on the county, region, and state



David Reinbott
Agriculture Business Specialist

Dunklin County Agriculture



Pesticide Applicator Training

The participants learned skills so that they can apply pesticides to protect humans and the environment. Because of the dicamba misuse, both the Missouri Department of Agriculture and EPA will make labeling changes. Because of this information, clients had a better understanding of IPM techniques necessary to improve potential yield, therefore improving profits and their lives. During this session non-biased, research based information was provided to clients in the assigned areas which included multiple aspects of row crop production.

Kennett Community Garden

Mike Milam consulted with community garden leaders on various issues involving the garden. Lavonda Swindle and Sharon Sutherland were involved in all aspects of the Kennett Community Garden. This includes planning, planting, harvesting and educational programming. In addition, there was a children's garden that was used to educate at-risk youth. The children's garden was funded entirely by donations.



Individual Consultations

A major portion of my job involves individual consultations with homeowners and crop producers. During these sessions non-biased, research based information was provided to clients in the assigned areas which included multiple aspects of home horticulture. Homeowners have many questions pertaining to lawn improvement, weed identification and control, fungal identification in their garden, tree repair and health, and insect identification and control.

This information was provided via one on one, walk-ins, home visits, and phone calls. New technologies were incorporated into the learning process such as use of internet-based education. Because of this information, clients had a better understanding of the production techniques necessary to improve their home and garden, therefore improving their lives.

I signed off on soil tests; several spray drift complaints, termites, lawns, gardens, weed and insect id, and other questions. Dicamba was a large factor in Southeast Missouri, with Dunklin County having a large share. I visited with fruit and vegetable producers and encouraged them to report their damage to the bureau of Pesticide Control in Jefferson City.

Crop consultations included commercial watermelon and cantaloupes, cotton, soybeans, corn, and wheat. Many of the melon complaints were related to pollination problems, bacterial fruit blotch, hollow heart, gummy stem blight and nutrient deficiency. Two tissue samples were sent to the Delta Regional Soils Lab at the Fisher Delta Research Center at Portageville. There were also several drift complaints. There are herbicide questions related to glyphosate resistant weeds.

Several samples were sent to the Plant Diagnostic Lab in Columbia. Patty Hosack, director, was very responsive to the problems and had a very quick turnaround. Three nematode samples were sent to the Nematology Lab in Columbia to determine soybean cyst nematode race resistance so that producers will know which varieties have resistance.



Nutrient deficient squash



Root-knot nematode

High School Biology Presentations and Insect Collecting Field Day

I have been working with the Biology II instructor at Kennett High School, Katie Porterfield. She I speak to her class about insects and we plan an insect collecting field day for her students at the Ben Cash Conservation Area. There are two Biology II classes each year There were thirty-seven two students enrolled in these classes.

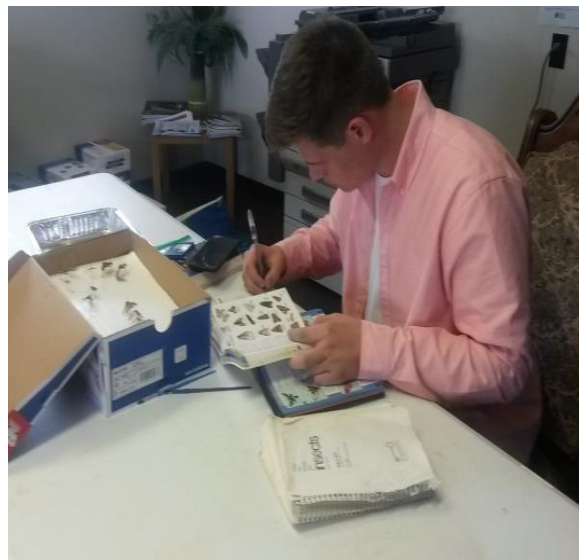
I presented information about where to collect insects and general information that would help them with their collections. During the class, I provided leaf litter with enough springtails for the entire class. I also brought in plants that had enough thrips for the entire class. I provided a number of other insect orders and species that the teacher could use for prizes when students answered questions during class. During the course of the next month, I assisted several students who had questions about identification.

This insect collecting field day has been a yearly program for high school biology students. This gives the high school students and opportunity to have hands-on collecting experiences and the identification of insects. The conservation area has aquatic, wooded, and vegetative areas, which will host a wide variety of insects. Each year students are shown where to collect insects in each of the vegetative, aquatic, and wooded habitats. I also bring in extra materials such as mushrooms, tree bark, and leaf litter to share these insects with the students. This year every student was able to get toad bugs, and doodlebugs, which are easy to find at this location. There were thirteen participants at the field day.

The students learn about insect ecology, insect taxonomy, beneficial and harmful insects, and in the process will collect insects for their collections. Because of this annual program, students will improve their grades, have a greater interest in applied biology and will be happier and improve their lives. Since beginning this program, over 600 students in school or at the field day have been taught these ecological principles. I also learned that students need roaches and termites for their collections.

This year, I learned from a parent that her daughter was on the tennis team and could not participate at the field day. I scheduled a second field day and four students attended this session. I also set up sessions where students could come by our office for help in identification of insects. In talking with Mrs. Porterfield, I am making plans to work with students during the summer. These plans include the use of a black light to attract insects, setting up pit-fall traps, and using road kill animals to attract carrion beetles and blue bottle flies. We can use social media to communicate.

Insect Field Day and Classification Pictures



University of Guelph Student Tour

I met a group of students from the University of Guelph in Ontario, Canada. This 14-day tour is part of their classwork, CROP*4260 Crop Science Field Trip, which is better known as the Midwest Tour. I gave a presentation on cotton production and had handouts to support this presentation. I showed the students how the cotton plants grow and develop and how to map the plant. I discussed the bloom and fruit set patterns and how producers can use this information to make better yields. I also showed them a final plant map that showed that the first position fruit were more valuable and contributed to higher yield. I discussed plant mapping is used by producers and consultants to keep the crop on track. The producer showed them the John Deere Picker with the module builder and planting equipment. I answered their questions. I had handouts for the students. There were 47 students, two professors, and the bus driver. Since the presentation, I have put additional resources in my file to address some of the questions next year. Because of this program, the University of Guelph students and faculty have a greater understanding of cotton production and the cotton industry. They also learned the role of extension agronomists with producers and industry representatives. They also learned about the problems that producers face in dealing with resistant weeds and insects. These students learned about cotton production, the species grown in the Mid-South. They learned about the U.S. export market and how the government program has phased out direct subsidies and have replaced it with crop insurance. They write about their experiences in a blog associated with the webpage.



Kudzu Bug

I found kudzu bugs on kudzu in northern Dunklin County last year. This is the first report of this invasive pest in SE Missouri. This year, I found Kudzu bugs in larger numbers in kudzu. In addition, I found several growth stages as well as adults. Three Kudzu bug, once established in an area, can migrate to soybean fields with areas located nearest to kudzu being highest risk. In Tennessee, this migration has been in July, preferentially but not exclusive to flowering soybeans. Kudzu bug is a sap feeder, not a pod feeder with a threshold of 25 nymphs per (immature kudzu bugs) per 25 sweeps. The kudzu bug migration into soybean usually occurs a year after they are found in kudzu. This is very useful information for producers and consultants so they can scout for them next year. I had reports from a consultant who found them in three locations in South Dunklin County. One in cotton and two found in soybeans.



Bed Bugs

I identified nine bedbugs this year, most were found in offices where a client brought it in. There were found on the carpet, in a chair, and on peoples clothing. I participate with the Bootheel Bed Bug Taskforce that meets quarterly at Twin Rivers Regional Hospital meeting room. I provide resources for those who contact me. I am able to recommend heat machines for those who live in Kennett.



Michael Milam
Agriculture Specialist

Dunklin County Horticulture



The horticulture specialist provides answers to commercial and homeowner alike regarding ornamentals, soils, vegetables and fruit which help to improve soil, reduce pest pressure, increase harvest and improve the life of the plant.

Because of excessive moisture followed by extreme lack of water, commercial pecan growers on approximately 20 acres experienced issues with fuzzy pecans in 2017. I also helped a start-up commercial strawberry grower on approximately 2 acres. Dicamba drift was the biggest topic this year and I have educated homeowners and commercial growers on what to expect. The state is still working out how to handle this issue.

The major workshop in the county were provide for melon growers. This workshop provides education on diseases, fertility, weeds and insect pressures as well as legal issues related to growth of melons. In addition, I conducted pruning program. This workshop provides education on when and how to prune. Networks are strength at these workshops, which helps in quick communication throughout the growing season.

I continue to answer direct questions on tomato, pepper, zucchini, and melon, peach and pecan tree disease issues to help homeowners decide on the best method for control for those in Dunklin County.



Sarah Denkler
Horticulture Specialist

Dunklin County Hispanic Outreach

The Dunklin County University of Missouri Extension Council has been proactive in working with organizations that provide resources to our migrant and seasonal workers. We hope to get the English as a Second language class started in our area. There are funds for migrant and seasonal workers who qualify. If they can speak English proficiently, they can get jobs as truck drivers, and other occupations. They can also apply for citizenship. Three Rivers Community College looked into providing a non-credit course. However, they were not able to find an instructor and we would have had to come up with too many students. We are exploring other options for volunteers through the Black River Baptist Association, Ebenezer Baptist Church, and a retired Spanish teacher. This will continue to be a council objective.

We work closely with the United Migrant Opportunity Services and the Alliance for Farmworker Concerns. Mike Milam is an Alianzas Ambassador, supporter of migrant, and seasonal workers. He meets monthly with a Hispanic advocate to discuss programming. We have two council members that speak Spanish, Teresa Martinez and Sandy Self.



Dunklin County Hispanic Outreach Pictures



Local residents chosen as State Fair Farm Family for Dunklin County

Dale and Sherry McClelland and family of Cardwell were among the families honored during the 59th annual Missouri Farm Family Day, Aug. 14 at the Missouri State Fair.

The Dunklin County Extension Council and local Farm Bureau selected the McClelland family as the Dunklin County Missouri Farm Family. The family includes Chase and Katie McClelland.

Each year, the fair sets aside a day to recognize farm families from across the state who are active in their communities, involved in agriculture, and/or participate in local outreach and extension programs such as 4-H or FFA. The McClelland family farm hay and raise livestock.

The annual event is sponsored by five partner agencies: the Missouri Farm Bureau, the Missouri Department of Agriculture, the Missouri State Fair and Commissioners, the University of Missouri College of Agriculture, Food and Natural Resources, and University of Missouri Extension.

One hundred twelve of Missouri's 114 counties were represented this year, with two counties still dealing with the aftermath of the recent flooding in southern Missouri.

The event highlights the impact Missouri Farm Families have on the economy and heritage of the state. "These families are involved in agriculture activities in their communities, and are active participants in local outreach and extension," said Missouri State Fair Director Mark Wolfe. "As the showcase for Missouri agriculture, the Missouri State Fair is most certainly the appropriate place to celebrate these families."



Pictured are, front row, left to right, Chase McClelland, Katie McClelland, Sherry McClelland, and Dale McClelland; back row, Ted Sheppard – Missouri State Fair Commissioner, Jack Magruder - Missouri State Fair Commissioner, Miss Natalie Ayers- 2017 Missouri State Fair Queen, Todd Hays - Missouri Farm Bureau Board of Director's Vice President, Christine Chinn - Director, Missouri Department of Agriculture, Rob Kallenbach - Assistant Dean MU CAFNR, and Blake Naughton - Associate Vice Chancellor for MU Extension and Engagement.

Dunklin County Missouri Century Farm



If your farm has been in your family since Dec. 31, 1917, you can apply to have it recognized as a Missouri Century Farm.

To qualify, farms must meet the following guidelines. The same family must have owned the farm for 100 consecutive years. The line of ownership from the original settler or buyer may be through children, grandchildren, siblings, and nephews or nieces, including through marriage or adoption. The farm must be at least 40 acres of the original land acquisition and make a financial contribution to the overall farm income.

“University of Missouri Vice Chancellor for Extension and Engagement Marshall Stewart said, “Family farms have been among our most vital partners since the founding of extension more than 100 years ago. The century farm program is one way we express our gratitude to those who have contributed so much to Missouri agriculture.”

In Dunklin County alone there have been over 2000 farm families recognized with two more this year, the Jones and Burcham-Long Farms. In 2008, the Missouri Farm Bureau joined MU Extension and the MU College of Agriculture, Food and Natural Resources as a program sponsor.

“Missouri Farm Bureau is a proud partner in the recognition of century farms,” said Blake Hurst, president. “We applaud the hard-working farm families that have kept us fed and clothed for generations. They represent an important part of our heritage and laid a foundation for the bounty Americans enjoy every day.”

Applicants certified as owners of a 2017 Missouri Century Farm will be recognized by the local MU Extension center in the county where the farm is located. Applicants are presented with a sign and a certificate.

Since Missouri began the program in 1976, more than 8,000 century farms have been recognized.

For applications received by May 1, a \$55 fee covers the cost of a certificate, farm sign and booklet for approved applicants. If the application is received between May 1 and May 15, the cost is \$65. Applications must be postmarked by May 15, 2017, to be considered. For application forms and information, call Extension Publications toll-free at 1-800-292-0969, contact your local MU Extension office, or visit the program website at <http://extension.missouri.edu/centuryfarm>.

Dunklin County Missouri Century Farm



Weidenbenner Family

Leaders Honor Roll

The Leaders Honor Roll program honors outstanding University of Missouri Extension community leaders who have excelled in supporting or assisted teaching with named programs such as 4-H Club. County Program Directors work with Extension staff to select outstanding leaders in the community for recognition. Dunklin County Extension Council recognized Dale McClelland and Sherry McClelland as two such leaders.



2018 IMPACT DATA

Dunklin County



University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

UM System Footprint in the County in 2017



Students

39 County students

- 28 Undergraduates
- 11 Graduates
- 31 Full-time students
- 8 Part-time students
- 15 Pell grant recipients (aid year '17)



Employees and retirees

16 people employed by UM

- 15 Campus
- 1 UM System

7 UM retirees and beneficiaries

UM salary and retirement income: \$541,528

UM state tax revenue: \$18,140

UM federal tax revenue: \$87,761



Alumni

Selected school alumni

- 4 - Medicine
- 4 - Nursing
- 12 - Health Professions
- 2 - Dentistry
- 7 - Pharmacy
- 4 - Veterinary Medicine
- 22 - Agriculture
- 27 - Engineering
- 18 - Law

Alumni teaching K-12

- 7 teachers
- 2% of all county teachers
- 1 principal or administrator
- 4% of all county principals and administrators



Breakdown by campus

MU

- 27 students
- 164 alumni
- 15 employees

UMKC

- 3 students
- 22 alumni
- 0 employees

Missouri S&T

- 8 students
- 25 alumni
- 0 employees

UMSL

- 1 student
- 17 alumni
- 0 employees



County population:
31,562



Services provided

Health care

- 30 patients seen at UM Health Care, with \$5,527 of uncompensated care
- 3 patients seen at the UMKC School of Dentistry with an average of \$54 per patient in uncompensated care
- University of Missouri Health Care's Missouri Telehealth Network provided service to 1 patient at 1 site

Extension

- 30,135 total educational contacts from MU Extension to residents of county, including:
- 299 contacts related to productive farming, better gardening, and managing natural resources
- 29,640 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 196 contacts related to starting businesses, developing community leaders, or renewing the local economy



Properties and offices

Rhodes Farm (Delta Center), MU Extension in: Dunklin County

MU Extension Continuing Education

University of Missouri (MU) Conference Office

The MU Conference Office provides full-service meeting management for a variety of noncredit educational programs. In FY 2017, the MU Conference Office organized 72 conferences for more than 20,000 people in teacher education in math, science and writing; crop management and agricultural lending, as well as statewide youth leadership programs, generating \$3.2 million in revenue.

muconf.missouri.edu

Fire and Rescue Training Institute (MU FRTI)

In FY 2017, MU FRTI celebrated its 85th anniversary of providing continuing professional education and training to Missouri's fire service and emergency response personnel. In addition to fire training, courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation. In FY 2017, MU FRTI trained 11,319 firefighters and emergency responders from 932 departments, organizations and agencies throughout all 114 Missouri counties.

mufrti.org

Law Enforcement Training Institute (LETI)

LETI provides training and education for Missouri's 17,000 personnel and police recruits and presentations to community and civic groups, as well as collaborative programs with agencies from 31 states. In FY 2017, LETI reached nearly 2,000 police and emergency responders. With MU's Human Environmental Sciences department, LETI piloted Taking Care of You and Mental Health First Aid for

Law Enforcement, helping participants had better understand mental illness and how it affects their work. Other programs include advanced animal cruelty investigations training and armed intruder and personal safety response. Students receive over 700 hours of basic training and certification, with other topics and certifications like Crisis Intervention Team Training available. ***leti.missouri.edu***

Missouri Training Institute

The Missouri Training Institute provides continuing education programs in business, as well as customized training programs and consulting services for business and industry and public, nonprofit and educational organizations and institutions. In FY 2017, 10,630 people enrolled in the institute's 371 programs that cover diverse business practices, such as human resource management, team building, decision-making, strategic planning and leadership.

mti.missouri.edu

MU Nursing Outreach

Nursing Outreach serves mainly rural health-care workers with high quality, affordable continuing education programs using face-to-face and online delivery methods; 92 percent live outside the St. Louis and Kansas City metro areas. In FY 2017, nurses from 77 Missouri counties and the city of St. Louis attended continuing education programs. Another 867 nurses and 1,986 health care professionals — including social workers, nursing home administrators and psychologists — were served through multidisciplinary programs.

nursingoutreach.missouri.edu

Center for Continuing Medical Education and Physician Lifelong Learning (CME/PLL)

CME/PLL serves MU Extension and the MU School of Medicine by educating physicians and other health care providers to improve the standard of care in Missouri. In FY 2017, CME/PLL offered 1,678 noncredit programs, courses and activities, serving 27,345 people, as well as 14 accredited medical conferences, including the annual Missouri Telehealth Network Summit on trends in this emerging healthcare arena; an Ellis Fischel Cancer Symposium on holistic approaches to cancer care; and one of the world's largest multidisciplinary conferences on dialysis. CME/PLL also provided online training for 6,400 state mandated child protection reporters in 20 occupational fields.

medicine.missouri.edu/cme

Veterinary Medical Extension and Continuing Education (VMECE)

Veterinary Medical Extension provides information and consultation to veterinarians and livestock owners on issues such as disease risks, rising input costs and regulations that affect farming operations. In FY 2017, VMECE provided 17 continuing education events for veterinarians needing credit to renew their licenses. Twelve events addressed antibiotic label changes that went into effect on January 1, 2017, and how to write a veterinary feed directive. The rest dealt with preventing and responding to disease outbreaks in Missouri livestock operations. The VMECE team also presented at more than 40 meetings across the state, educating animal owners about the antibiotic label changes. VMECE also taught food animal production medicine to MU College of Veterinary Medicine students

and collaborated in research that addressed bovine reproduction. ***vmth.missouri.edu***

Labor Education

The Labor Education Program works with members and leaders of workplace-based organizations across Missouri to help them develop skills, act effectively in the workplace and be informed and active participants in their communities. In FY 2017, the program offered 35 courses and conferences to 952 participants, most of whom are leaders of organizations representing the economic interests of more than 20,000 working people in Missouri and surrounding states.

labored.missouri.edu