



UNIVERSITY OF MISSOURI EXTENSION

Pettis County

Annual Report 2022

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Office of Extension and Engagement

University of Missouri

OFFICE OF THE VICE CHANCELLOR FOR EXTENSION AND ENGAGEMENT

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December 2022

Dear county commissioners and friends of MU Extension and Engagement,

We have much to celebrate and anticipate in 2023. As you know, Chad Higgins is taking over from me as interim vice chancellor of extension and engagement and interim chief engagement officer for the UM System.

Chad believes in transformational leadership and change that will continue to advance the University of Missouri's land-grant mission. He has a strong team around him to support MU Extension in this time of transition.

Most important, Chad has **you** as key partners in championing our work to empower each county and community and to improve every Missourians' access to economic and educational opportunities and health and well-being.

We started our journey in 2016, reimagining what extension and engagement needed to be to meet communities' 21st century needs. Your partnership has led to a true renaissance of extension and engagement that will serve as the foundation for MU Extension's healthy future through this decade and beyond.

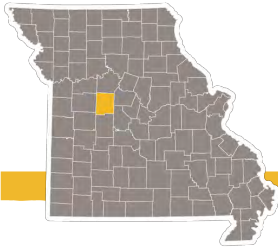
The challenges of the pandemic showed us how to be even more responsive and nimble. Thanks to the foresight of state leadership, we are also now in a much stronger budget position. We have the organizational, staffing and program structure in place to keep growing the value and impact of MU Extension and university engagement work at the local level.

We have made strides in each year's areas of focus: broadband, workforce development, community and mental health access and care, and now food security in this current year.

I hope you see throughout this county annual report the impact of your own partnership and hard work in these areas. I thank you for your continuing support as we recommit ourselves to do what we do best: Serve Missouri, Deliver Mizzou.

Sincerely,

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



Budget and more

Thank you from the Extension Council:

On behalf of the Extension Council, we express our gratitude and appreciation to the many volunteers, organizations, county government, businesses and community leaders for their continued support of the extension education program! With your help, we have been able to offer programs that matter to many families, farms, businesses and the communities of Pettis County.

We look forward to building on past successes as we continue to develop and implement programs that make a difference.

County Extension Program Funding and Expenditures 2022

Income

County Appropriations	72,000.00
Investment Income	9.14
Gift/Grants/Contracts	1,525.00
Fundraiser Net Income	7,152.87
Miscellaneous Income	15.00

Total Income 80,702.01

Expense

Personnel Serv - Salaries & Wag	50,761.58
Payroll Expenses	3,758.46
Travel	3,201.00
Postage	782.97
Telephone Service	1,677.77
Advertising	110.25
Rent/Lease Space	8,179.21
Rent/Lease Equipment	1,071.96
Office Supplies	685.79
Janitorial Supplies	605.55
Program Supplies	46.68
Utilities	2,928.43
Other Contract Services	2,650.00
Insurance	2,361.00
Council Operations	1,436.38
Repairs/Maintenance	25.00
4-H Online CC Dues	180.00
Furniture/Equipment	239.98

Total Expense 80,702.01

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

Local Support

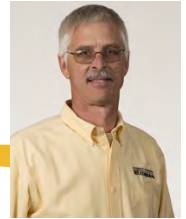
Did you know you can donate directly to Pettis County Extension with a gift to be used immediately or as an endowment contribution for long term efforts. Monies put into the endowment are left forever to earn interest with the county office benefiting each year. You can also direct your donation to a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





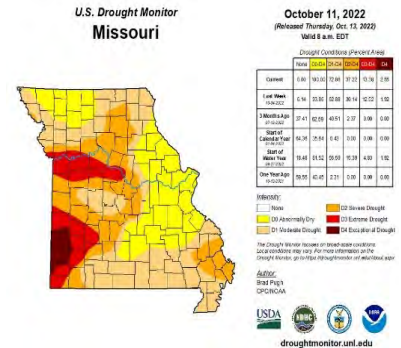
Agriculture and Natural Resources (ANR)

Gene Schmitz, Field Specialist in Livestock



Assigned Counties: Benton, Cooper, Hickory, Miller, Moniteau, Morgan, and Pettis
Additional counties served via direct contacts or through various programs: Cass, Cole, Henry, Lafayette, Perry, Polk, Johnson, Saline, St. Clair, McDonald, Boone, Laclede, Sullivan, Carroll.

A major drought during the summer and fall of 2022 caused limited forage availability for many livestock producers. Concerns about nitrate levels in forages, prussic acid levels in forages, alternative forages, and winter feeding options were topics that were addressed to help producers cope with drought conditions and limited hay supplies. Additionally, four USDA Farm Service Agency county offices requested an independent assessment of pasture losses during the grazing season. Reports were prepared for these counties based on rainfall records, USDA drought monitor information, individual contacts, and visual observations. The novel endophyte tall fescue research plots near Clifton City provided vital forage yield information in the development of these assessment reports.



Native warm season grass plots were established at the University of Central Missouri. These replicated plots are available for future use by UCM teaching and research faculty as well as use by MU Extension specialists for programming efforts in this area.

Native warm season grass plots at State Fair Community College are now well enough established that they were used for class instruction, summer pasture walk programming, and research projects during 2022. MU researchers have developed an ultrasound measurement / phone app interface to record forage height and estimate forage yield. Yield estimate equations have been developed for cool-season forages, but not native warm season grass species. This was the second year of measuring and harvesting these plots to develop accurate equations to estimate forage yield. We will continue efforts to improve the capability of this technology to estimate forage yield in native warm season grass pastures and hay fields. This is funded through a grant from the Missouri Department of Conservation.



The Alliance for Grassland Renewal is an organization comprised of universities, governmental agencies, private companies, and forage producers. The mission of the Alliance for Grassland Renewal is to reduce or eliminate the negative effects of toxic tall fescue on the livestock forage industry through education and outreach, industry led quality control standards, and incentives, while pursuing new technologies and techniques. I was involved in the following educational efforts: 1. A face-to-face renovation workshop in Springhill, TN; 2. A virtual renovation workshop which had 34 participants from 9 states; 3. Additional training for Extension agents and other forage educators was developed and 66 participants from 10 states participated in a virtual training session. At the end of the training, participants received a short presentation they can use at local meetings when requested to provide a program.

I participated in a project to study internal parasite loads and efficacy of dewormers in cattle. Fecal samples from 12 herds on 7 separate farms in Pettis and Benton counties were collected before and after deworming. Results are still being evaluated.

4-H youth showing market animals at local fairs and the state fair are required to attend Show-Me-Quality Assurance training. I provided training for 98 youth from 5 counties during 2022.



Agriculture and Natural Resources (ANR)

Jennifer Lutes, Field Specialist in Agricultural Business



Mid-West Goat Producers Course

Eighty-seven (87) producers participated in the three day Mid-west Goat Producers Course June 1st-3rd in Sedalia, MO.

This three day course is developed through a three-way partnership between the Mid-west Buck Sale, Lincoln University Extension, and MU Extension.

Producers attending this course learned about forages and goat nutrition, economics and marketing, and herd management. Producers attended lectures in the mornings and hands-on demonstrations in the afternoons. Producers were also able to receive their FAMA-CHA Certification at this program.

Speakers included:

From Lincoln University - Dr. Homero Salinas-Gonzalez, Dr. Ye Su, Dr. Mohan Acharya, and Dr. Chris Baughman

From MU Extension- Dr. Patrick Davis, Gene Schmitz, Jennifer Lutes

From Virginia Tech- Dr. Sponenberg

From USDA- Dr. Charlotte Clifford-Rathert



87 Participants

Gained extensive knowledge during this three day course.

Travis Harper, Field Specialist in Agronomy



Private Pesticide Applicator Training— Private Pesticide Applicator Training teaches producers how to safely store, handle, and use restricted-use pesticides in agricultural production. Proper application of pesticides results in greater safety for both the applicator and their neighbors. Proper application of pesticides results in reduced exposure of pesticides to the environment, ultimately leading to safer living conditions for all Missourians. Thirty-three Pettis County residents received a license in 2022. There are currently 180 active private pesticide applicators in Pettis County.

Soil Testing – More than 189 soil samples representing more than 60,000 acres were submitted through the Pettis County Extension office for analysis at University of Missouri Extension’s soil testing laboratory. Soil sampling provides Pettis County’s forage and row crop producers with an accurate analysis of exactly what is in their soil and provides them with recommended fertilizer application rates for the crop they are trying to grow. Pettis County’s agronomist reviews the soil sample results with the producers, fine-tuning the recommendations for their particular situation and needs. Soil sampling and accurate fertilizer application increases crop production, reduces input cost, maximizes profit, and reduces the environmental impact of fertilizer loss from fields through leaching and runoff.



One participant from Pettis

West-Central Region ‘Ag Lenders’ in Clinton

The 2022 West-Central Region Ag Lenders Seminar was held at the Rotary Club Building in Clinton on Dec. 7th with catering by Melinda Dehn. There were 26 attendees from 10 counties, 4 MU Extension professionals, 1 Farm Service Agency presenter, and Jill Woods from MASBDA. I coordinated the seminar with assistance from Wesley Tucker who was unable to attend; I also presented the *Land Values Simulation* and *Regional Land Values* sections.

Of attendees completing a program evaluation (88%), 100% answered the information presented would help them serve and advise their agricultural clients. Attendees had a positive experience with the program, meal, facility, and organization by agreeing or strongly agreeing to program quality questions. Eighty-nine percent of respondents prefer meeting in-person, 5% want more virtual offerings, while 26% and 11% want hard copy and electronic materials, respectively. Attendees commented that ‘This program was well put together and relevant’, and that it was an ‘Excellent program’.

Please rate the overall quality of the program	Aggregated Response
The material met my expectations:	Agree (4.35)
The program was well organized and effectively conducted:	Strongly Agree (4.6)
The meal and facilities were suitable for this experience:	Strongly Agree (4.75)

The majority of attendees planned to take some action following the conclusion of the seminar. Frequent responses included disseminating information learned to clientele, calculating customer cash flow analysis, and utilizing FSA and MASBDA programs. Attendees have traditionally found the seminars to provide quality information to remain up to date on agricultural conditions and pass along to clients. Crop and livestock outlooks continue to be popular topics of interest, but attendees also signaled for more information related to cannabis markets, weather outlooks, and estate planning.

Henry county (host) had the largest attendance with eight attendees. Businesses in attendance included- Citizens Farmers Bank, Hawthorn Bank, Equity Bank, F&C Bank, OakStar Bank, Wood and Huston, and -Missouri Bank. Career longevity was rather broad spanning from one month to 30 years. Forty percent of attendees have been working as agricultural lenders for 10 years. Even with the relatively experienced group, thirty-five percent of attendees were first time attendees. Twenty-one percent of attendees were female, 100% were Caucasian, and there was 1 veteran. Lenders in attendance on average had 137 agricultural loans in their portfolio and the average loan size in their portfolio was \$115,667. Assuming 75% of the attendees had loan portfolios that matched these average statistics, the Clinton Agricultural Lenders Seminar served lenders representing 2,672 agricultural loans and \$309 million in allocated credit. Eighty percent of attendees were notified about this event from email invites while 20% were informed by word of mouth from co-workers and friends. When asked about future locations for the West Central Region Seminar 14 answered the host city Clinton, 1 for Warrensburg, 1 for Nevada, and 2 for Bolivar.



Creating Entrepreneurial Communities-What is it?

Pettis County had 1 participant

- A non-traditional conference where breakout sessions are hosted by local entrepreneurs in their businesses.
- A state network of stakeholders come to share and learn evidence-based practices and ideas related to fostering entrepreneurship and business development.
- Designed to be held over a two-day period with an overnight stay at local hotels.
- Evening networking event encourages participants to share success stories and gain valuable knowledge to take back to their communities.

Short Term Outcomes

- 97% agreed that the conference was a good value for their time/money
- 87% agreed that the connections made at the conference would help them bring lessons learned back to their communities.
- 100% of all participants were satisfied or extremely satisfied with the conference.



Hermann Wursthaus was just one of the thirteen locations where breakout sessions were held.

The conference had an opening panel discussion, opening keynote, five breakout session (with five session each), a closing panel discussion, and a closing keynote speaker.



The 2022 conference was held September 21- 22 in downtown Hermann, Missouri.

The 2022 conference hosted 128 participants from 53 different communities and 4 states.

Participant Quotes...

- *“New connections at CEC can help be bring these practices to my community.”*
- *“Enjoyed sessions being located in local businesses. Great opportunity to engage while learning.”*
- *“Happy to see youth participate in the conference. They are our future.”*

CEC Hermann had 19 local, regional and statewide sponsors





Health & Well-being

Tina Edholm, Field Specialist in Human Development



Building Skills, Growing Futures

We are creating a better future for people throughout mid-Missouri by focusing on increasing employable skills, strengthening family resilience and centering on improving mental health. Tina Edholm, MU Extension Field Specialist in Human Development and Family Science, engaged with over 5,000 individuals across Missouri as well as three other states.

Workforce Development The 4th Annual Boonslick Education and Employment Expo took place on October 13th, 2022, at the Isle of Capri Casino Hotel in Boonville. The Expo brings in universities, colleges, trade schools, and local employers to meet with soon-to-be graduating high school students, adult learners and job seekers from mid-Missouri. The Expo was well attended with 325 total participants including 229 students, and 11 community members. This year, the Expo brought in 52 exhibitors and 20 educational institutions.

Child Care Providers Family and community members are the earliest teachers of youth. They encourage youth to be courageous, learn, and grow. HDFS Field Specialists utilized Zoom to provide professional development for

childcare providers who need to maintain licensure. Over 353 childcare providers across Missouri attended trainings in 2022. Providers from Boone, Cooper, Cole and Callaway earned 75 clock hours by attending these virtual and in-person trainings. Participants included site directors, assistant directors, teachers, home visitors, partnership coaches, cooking staff and family advocates.

325

Total number of attendees including 229 students that explored 52 exhibitors and visited with 20 educational institutions attended the 2022 Boonslick Education and Employment Expo

706

353 childcare providers attended 706 hours of clock hours towards licensure as childcare providers

"I tried to "fill my bucket" before going into my center today. I was happier and better for my students because of it." – anonymous participant Childcare Provider Training, Jan 2022

Empowering Youth and Families

"I learned to be the best husband and father and be a better family man."

- anonymous participant Building Strong Families, July 2022

100+

Over 100 youth during summer 2022 learned about significant events through the decades. Campers created time machines and explored the idea of aliens.

Building Strong Families In January 2022, the University of Missouri Extension was approved as a contractor with the Missouri Division of Social Services. This enabled Field Specialists to offer parental to parents who seek to maintain or regain custody of their children. Through Zoom and in-person classes, the team served 100 parents and a total of 621.5 hours were earned impacting over 100 Missouri children. Tina contributed to this effort by teaching or moderating eight sessions with participants from Benton, Boone, Cooper, Howard, Moniteau, Morgan, and Pettis counties.

Building Strong Families for Youth Over 600 youth participated in activities at Ag Safety days, various day camps and after school programs. Strengthening relationships and building communication skills enhances the mental and physical well-being of children.





Supporting Mental Well-being

Mental/Behavioral Health & Suicide Prevention				
	MHFA Youth	MHFA Adult	MHFA Teen	
People Served	206	202	38	53
Value of Mental & Behavioral Health Programs	\$170	\$170	\$170	\$100
Total Value of Mental & Behavioral Health Programs	\$35,020	\$34,340	\$6,460	\$5,300

Mental Health First Aid MU Extension brought rural farm stress to the forefront in response to the national health crisis. Training farmers and their families, teens, and those who interact with them about stress increases understanding of how to recognize signs of stress, how to talk with those in distress, and builds support for mental health needs in our communities. This skills-based course gives people the tools to identify, understand and respond to someone who might be struggling with a mental health or substance use challenge and connect them with appropriate support and resources when necessary. Tina provided 2,972 hours of Mental Health First Aid instruction at a value of \$75,820 during 2022. Over 400 community members became certified as Mental Health First Aiders (adults), Youth Mental Health First Aiders (YMHFA) as well as 38 teens became certified teen Mental Health First Aiders (tMHFA).

"I will remember my mental health must be under control so I can help others. That way my pain and experiences can help others rather than just hinder me." – anonymous YMHFA participant, Nov. 2022

A school counselor approached the University of Missouri Extension to teach the faculty, staff and students Youth Mental Health First Aid and teen Mental Health First Aid. At the conclusion of day one, a teen participant asked: *"Why do bad things happen to good people?"* After session #4, a parent texted the instructors, *"--- (the student) is encouraged by what you're teaching, and I think it's giving her the proper tools to help a couple of her friends with whom she is concerned. thank you for your hard work and dedication to educating these kids (and everyone else.)"*

Taking Care of You The past few years have seen many of the worst natural disasters on record. During times of stress, family and community members can offer one another a great amount of support. Taking Care of You is a self-care and stress management program developed by University of Missouri Extension. Managing life's challenges in a healthy way allows you to take better care of yourself and your overall health. Tina Led four **Taking Care of You (TCY)** series to participants across the state both in-person and virtually. Participants stated they were grateful for *"my kids, husband, drive to work and helping others"* and *"bourbon, God, wine and nature."*





Educational Access & Excellence

Kate Hanlon, Nutrition Program Associate



SNAP-Ed Public Value Statement 2022

The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$10,315,347 in federal funds to Missouri. The funds support engagement with 470,352 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri. There were 317,179 direct educational contacts. This year we had 2,410,436 indirect educational contacts through newsletters, health fairs, food pantries, and the Show Me Nutrition helpline.

4,052 direct and indirect contacts were made in Pettis 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.

Success story

I have taught Kids in the Kitchen as part of the Sedalia Public Library and Boonslick Regional Library summer programs for five years now. The program is incredibly popular and I always receive so much positive feedback each year that I am there.

Library staff constantly tell me how much the kids love the program. When summer program sign up inches closer, I was informed that many kids ask the children's librarian if the "cooking program" is going to happen again. When told yes, they are incredibly excited! Slots go fast (I limit openings to 10), and there is typically a wait list the entire summer. This year, many parents told me that their child loves the class and that the recipes that we made in class were repeated times at home. Two in particular were the Farmer's Market Salsa and Skillet Mac N Cheese.

Kids in the Kitchen is a lot of work, especially if you want it to go right. Least that is what I believe. Hearing this positive feedback is really makes me smile because I am glad that I have built into program that is in demand and memorable. The kids also seem to enjoy seeing me out of the classroom and doing something that is different from SMN. Kids I have over the summer always bring up KIK when I see them again during the school year.

Here is a picture that went with this story.





Educational Access & Excellence

Julie Carpenter, Youth Program Associate



EFNEP Public Value Statement 2022

The Expanded Food and Nutrition Education Program (EFNEP) brought \$1,626,730 federal funds to Missouri. These funds were used to enroll 526 limited-resource families in nutrition education and meal preparation classes, representing 1,926 family members. Additionally, 1,980 youth were enrolled in EFNEP classes.

88 of these youth and adult participants reside in Pettis County.

Participants in EFNEP learn the importance of making healthier meals and snack choices, eating breakfast more often, trying new foods, increasing their physical activity, and making 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.





4-H Community Clubs

Pettis County 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, project mastery, 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 and crafts to animal science and healthy living. Clubs also involve youth in community service, camping and educational trips.

4-H Participants = 145 Youth in 8 Community Clubs

4 Clubs received Community Service Club Awards Seals

PURPLE SEAL – 10.0+ hours of service, Dresden 4-H Club, Ringen Brushy 4-H Club and Muddy Creek 4-H Saddle Club

RED SEAL – 5.0-7.4 hours of service, Brown 4-H Club

Volunteers

4-H members are supported by 104 adult Volunteers

Time valued at \$29.95 per hour at 18,720 hours equals to \$560,664.00.

Volunteers are the core of the 4-H Program. They help to create, support and deliver educational programs and experiences. More importantly, these individuals serve as role models and mentors for youth.

4-H Feeding Missouri food drive

The fourth annual 4-H Feeding Missouri food drive, in partnership with Missouri Farmers Care Drive to Feed Kids, ran Jan. 1st through April 30th. Pettis County 4-H members collected food and monetary donations at local Community Clubs and the Extension Office, partnering with Woods Grocery Stores and a Boys and Girls Club Site in Sedalia to help local food pantries including Open Door, the La Monte Food Pantry, and the Pettis County Mobile Pantry. Over 710 pounds of food and \$265 were collected with 122 volunteer hours for a calculated meal value of over 9,663 meals. The Pettis County 4-H Youth Council was also awarded a \$200 grant from Missouri Farmers Care Foundation which was donated to Open Door Food Pantry of Sedalia.



The Pettis County 4-H Youth Council presents a \$200 grant check and donated food.



The Ringen Brushy 4-H Club helped collect items for area food pantries through a food drive.



Youth and Families

Embryology (Hatching Chicks in the Classroom)

Embryology has a long history in Pettis County of over 20 years. We had three different sessions starting in Mid-February and running until the end of April with participation of:

10 Locations

44 classrooms

702 youth

Heit's Point Summer 4-H Camp

Our Camp council includes 5 counties, Carroll, Chariton, Benton, Saline, and Pettis. We were back to over-night camping this year. Youth participated in several activities throughout each day including, archery, arts and crafts, gardening, conservation, swimming, community service, team-building, and Nutrition. Camp ran from June 6th-9th.

7 Counselors and 9 campers from Pettis County.

16 campers from Benton County

6 Counselors and 8 campers from Carroll County

1 Counselor and 11 campers from Chariton County

6 Counselors and 25 campers from Saline County



Pettis County Contest Night and Achievement Days

Youth from across the County participated in Conference Judging for their completed projects. This activity instills confidence and allows youth to explain the skills they learned throughout the year. Projects are awarded ribbons and selected to represent Pettis County at the Missouri State Fair.

45 Youth with 101 projects from 31 different project areas

7 Volunteer Judges

33 Projects from 23 Youth selected for MO State Fair

2 Youth gave Demonstrations at the MO State Fair

1 youth competed at State Fashion Revue in Columbia, MO and placed 2nd in her division.



Youth and Families



Pettis County Livestock Show and Sale – July 17th and 18th, 2022

Pettis County 4-H partners with the Pettis County Jr. Livestock Committee and County FFA Advisors to provide an opportunity for youth to show livestock from their project areas. Local Sponsors also donate time and money to make the show, sale and dinner possible.

77 Youth with 194 entries from 7 different counties participated

39 Beef	21 Meat Goats	6 Bucket Calf	8 Dairy Goats
17 Poultry	20 Rabbits	21 Sheep	62 Swine



Youth and Families

The Pettis County Jr. Livestock Sale was held Monday, July 18, 2022 at the Swine Pavilion on the Missouri State Fairgrounds. Forty-eight youth participated in the sale. Thanks to the generosity of the buyers, the sale's total was \$97,559.00. Ninety-eight percent of all proceeds went directly to the youth to support their projects.



Pettis County Horse Show

Working in a partnership with the Pettis County Horse Committee, 4-H exhibitors from across the state can compete in classes ranging from Showmanship to Equitation and Trail Riding. This year 38 Youth from 10 different Counties competed at the Missouri State Fairgrounds.





Youth and Families

Pettis County Shooting Sports

4-H Shooting Sports is a youth development educational program. It uses the skills and disciplines of shooting to assist young people and their leaders in obtaining knowledge and developing skills. Development of skills within the discipline of shooting and "life skills" is implicit in the program curriculum and explicitly stated for volunteers. It appeals to young people and volunteers from a wide range of urban and rural backgrounds. 4-H Shooting Sports promotes positive youth-adult interaction and peer leadership.

35 Youth were enrolled in Pettis County Shooting Sports Projects

6 Certified Volunteer Instructors encompassing Archery, Trap, and .22 Rifle and Hunting/Outdoor Skills

5 Youth participated in the 2022 Missouri 4-H State Shoot in Archery, Trap and .22 Rifle



SNAC After School Program- Kids in the Kitchen

This year, YPA's were again tasked with providing school enrichment programming for SNAC. 4-H Student Nutrition Advisory Council clubs are offered via in school, or before/after school programs and in other community settings helping youth become more knowledgeable about nutrition and fitness. Youth are encouraged to become ambassadors of Healthy Living in their community and will design and implement a leadership project that will improve nutrition education or fitness of others. Kids in the Kitchen is a curriculum that encourages youth to eat healthier meals and snacks as a result of hands-on cooking experiences. Students experience fun educational activities which help them understand the value of eating from all the food groups, participate in physical activities and learn safe food handling practices in each of the lessons.

8 sessions at Dresden R-XII Elementary

9 sessions at THE CLUB, Boys and Girls Club, Sedalia

45 youth participated, with 38 program "graduates"

STEM In-School Programming

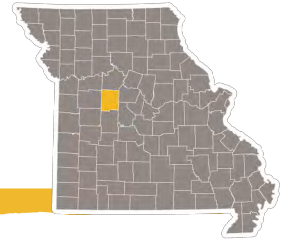
S.T.E.M activities allow youth to develop inquiry, observational, and problem-solving skills. Kids will learn about areas such as physics, mechanical engineering, viscosity, and teambuilding with fun hands-on activities. Mini sessions were developed for in-school programming.

7 Sessions at Dresden R-XII Elementary

49 - 3rd, 4th, and 5th Graders Participated



Show-Me Master Gardeners of Pettis County



“Helping others learn to grow” is the mission of the Missouri Master Gardeners. Members work tirelessly giving their own time to help beautify their communities and disseminate unbiased, research based gardening information to the general public.

The group meets monthly and received 216 hours in continuing and/or advanced education from MU Extension specialists on a variety of gardening topics.

The Show-Me Master Gardeners of Pettis County have 31 active master gardeners, nine of which have emeritus status.

We have maintained three gardens in Pettis County during 2022. Bothwell Lodge, Liberty Statue Garden and Katy Depot.

We manned a question & answer booth during the Ag-Expo in February. We held four classes during the Expo on the following subjects; Planting Trees, Pruning, Blueberries and Butterflies. The classes were provided by two Master Gardeners.

Show-Me Master Gardeners set up and ran a question & answer booth at Sutherlands' Spring Early bird sales event. Every Saturday morning beginning the last week of March through the last week in April, 11 Show-Me Master Gardeners assisted in running the booth.

The annual Show-Me Master Gardeners held their fundraiser plant sale on May 7th, 2022. A great many plants were sold along with books and other items.

The Master Gardeners also worked the FFA building, judging the exhibits of the participating students on Wednesday, August 10th. 11 Master Gardeners judged.

Pettis County Show-Me Master Gardeners set up and ran the question & answer booth at the Missouri State fair in the Floriculture building. 6,500 sheets of information were given out.

One Master Gardener gave nine educational programs at the Home Ec. Building on the Consumer Showcase stage during the Missouri State Fair. Several horticulture topics were covered from Rose Bushes to pruning trees, blueberries to moles.

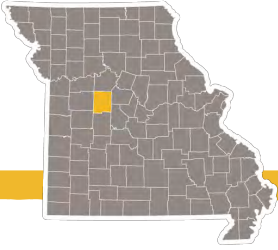
A Master Gardener Core Class was held in early Spring. Ten, 3 hour classes were taught. Graduation was held on May 4, 2022 with nine new Master Gardener Trainee's.

The Hotline received and answered 91 calls from around the United States.

The Show-Me Master Gardeners provided 1607.25 hours of volunteer services though-out Pettis County.

Little Sprouts at the Market

Once a month, May to October, a few of the Show-Me Master Gardeners present programs for the children that attend the Sedalia Farmers Market at the Missouri State Fairgrounds.



Show-Me Master Gardeners of Pettis County

The programs for 2022 were; Grow a Grassy Friend , Pollination Play, All about Bee-zzzz, Come Fly with us to Mexico and Don't be afraid of Bats. 262 youth from the surrounding area were able to plant and grow a “grassy” friend. The Master Gardeners, will have a “make and take” or a coloring page to provide to each child to enhance the learning experience. Butterfly wings were handed out for the flight to Mexico with the Monarchs in September. You do know that September is the migration season.



2022 Missouri Century Farms Pettis County

The Missouri Century Farm program dates back to 1976 and seeks to recognize and celebrate the families and farms who have survived the test of time and been in operation for 100 years or more. For Missouri and the community, the Century Farm program is an important venue to promote and preserve the states cultural and economic past for future generations.



Phillips/Isaac Farm 1869 Wanda Isaac



Greenhill Farms, LLC 1914
Tommy and Tim Summers

2022 Missouri Farm Families

Sponsored by MU Extension, the MU College of Agriculture, Food, and Natural Resources, and the Missouri Farm Bureau, the program continues to honor Missouri's agriculture history and farmers.



Ivy, Jessica, Brad, and Keely Elwell



UM System Footprint in the county in 2022



FY22 county students

184 students

- 136 Undergraduates
- 48 Graduate and professional students
- 123 Full-time students
- 61 Part-time students
- 47 Pell grant recipients (aid year 2022)



County employees and retirees

50 people employed by UM

- 18 Campuses
- 29 MU Health Care
- 3 UM System
- 24 UM retirees and beneficiaries
- UM salary and retirement income: \$2.3 million
- UM state tax revenue: \$80,365
- UM federal tax revenue: \$351,087



County alumni

Selected school alumni

- 17 Medicine
- 32 Nursing
- 71 Health Professions
- 15 Dentistry
- 13 Pharmacy
- 6 Optometry
- 13 Veterinary Medicine
- 128 Agriculture
- 92 Engineering
- 29 Law

Alumni teaching K-12

- 33 teachers
- 6.2% of all district teachers
- 2 principals and administrators
- 6.9% of all district principals and administrators



County breakdown

MU

- 125 students
- 659 alumni
- 18 employees

UMKC

- 25 students
- 119 alumni
- 0 employees

Missouri S&T

- 23 students
- 55 alumni
- 0 employees

UMSL

- 11 students
- 24 alumni
- 0 employees



County population: 42,421



County services provided

Health care (FY22)

4,723 in-state patients seen at MU Health Care, with \$2.9 million of uncompensated care

28 in-state patients seen at UMKC School of Dentistry with a statewide average of \$55.60 per patient in uncompensated care

MU Health Care's Missouri Telehealth Network recorded 1,367 visits to 726 patients having ZIP

Extension

8,440 Total educational contacts from MU Extension to residents of the county, including:

1,362 contacts related to productive farming, better gardening, and managing natural resources

7,078 contacts related to healthy eating and aging, strengthening families, personal finance, or youth



Construction projects

\$120,691 remitted to 1 county vendor, for 5 projects



County properties and offices

MU Extension in: Pettis County

Who we are

Faculty and staff

Sherol Bose
Administrative Assistant

Amie Breshears
Interim CES, Community Engagement Specialist
in Agriculture and Environment

Julie Carpenter
4-H Youth Program Associate

Katharine Hanlon
Nutrition Program Associate

Billie Long
Volunteer - Master Gardener, Emeritus

Eugene Schmitz
Field Specialist in Livestock

Additional faculty with assignments in Pettis

Christina Edholm
Field Specialist in Human Development

Travis Harper
Field Specialist in Agronomy

Sarah Havens
Field Specialist in Natural Resources

Todd Lorenz
Regional Horticulture and Agronomy Specialist

Kathi Mecham
Field Specialist in Horticulture

Maria “Monse” Montoya De Rivera
Nutrition Program Associate
Pettis County Community Partnership

Kent Shannon
Field Specialist in Agricultural Engineering

Small Business and Technology Development Center at State Fair Community College

Kelly Asbury
Director

West Central Regional Director

Wayne Prewitt

Council members

Patty Wood, Chairman
Billie Long, Vice-chairman
Dana Binder, Secretary
Jennifer Boatright, Treasurer
Kenneth Danko
Brad Elwell
Kevin Gibbs
Greg Harrell
Jane Henderson
Don Hutcheson
Janice Klenke
Connie Koch
Dustin Mahin
Nancy Sellers
Matthew Vickery

Israel Baeza, Appointed Commissioner
David McCoy, Appointed Farm Bureau
Megan Page, Appointed City of Sedalia



David Dick, Presiding Commissioner
Israel Baeza, Eastern Commissioner
Jim Marcum, Western Commissioner

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