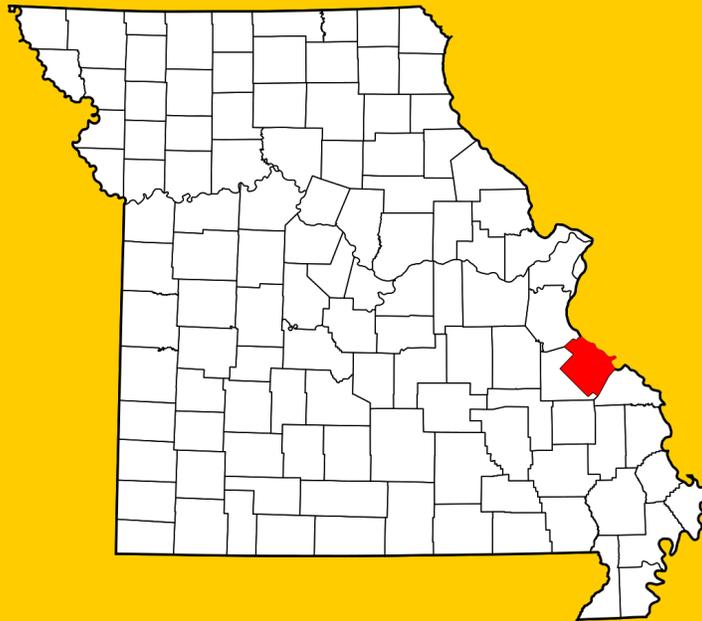




Extension

University of Missouri

Ste. Genevieve County Extension Council



2018 Annual Report

www.extension.missouri.edu/stegenevieve

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

Equal Opportunity/ADA Institutions



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Ste. Genevieve County Staff

Staff Based in Ste. Genevieve County



ESTRELLA CARMONA
County Engagement Specialist
in Nutrition and Health
Education



KATE KAMMLER
Field Specialist in
Horticulture



JANET BRAUN
4-H Youth Program Associate



CINDY OTTE
Office Manager

Additional Staff Serving Ste. Genevieve County

Rebecca Blocker, Field Specialist in Housing and Environmental Design

Valeria Craig, Nutrition Program Associate

Charles Ellis, Field Specialist in Agriculture Engineering

Kendra Graham, Field Specialist in Livestock

Rachel Hopkins, County Engagement Specialist in Agriculture Business

Matt Herring, Field Specialist in Agronomy

Stephanie Schindler, County Engagement Specialist in 4-H Youth Development

Dear county commissioners and friends of MU Extension,

The past year has been extremely productive for University of Missouri Extension and Engagement. With the launch of our county engagement specialist model, which is the centerpiece of a long-overdue restructuring, we are better positioned to serve Missourians.

Most county engagement specialists are now in place and the formal training for this new position rolled out this fall. By January 2019, we expect our CESs to be well on their way to success. I see a great future for them and the communities they serve.

At the MU campus, we have been busy putting in place online resources that will benefit Missouri communities. In particular, the All Things Missouri web portal is an exciting tool that can help community leaders search for valuable data. I encourage you to check it out at <https://allthingsmissouri.org/>.

When 2018 began, we set out to meet with every county's administrative body. This effort provided valuable insight and helped strengthen relationships; and as a result, we will engage in a similar effort in 2019. Meeting stakeholders and deepening county relationships is something we truly enjoy.

As you read your county's annual MU Extension report, I am confident that you will be pleased with the results accomplished through county-based University of Missouri faculty. Our faculty take pride in their efforts to respond to local extension council input.

At the state level, we have committed to a goal of doubling the economic impact of MU Extension over the next decade. This goal of \$2 billion in public value is ambitious — but, by meeting this challenge, we will help a great many Missourians.

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

Sincerely,



Marshall Stewart



A Message from the Council

Dear Friends of Extension:

Thank you for continuing to make University of Missouri Extension relevant and successful in providing educational programs for citizens of Ste. Genevieve County. This annual report outlines the success MU Extension has had in Ste. Genevieve County in 2018.

We are pleased to provide a brief overview of some of those successes. 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 Ste. Genevieve 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 Ste. Genevieve 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 Ste. Genevieve County in 2019.

Extension Council Members

Mike Kertz Jr., Chair

Rebekah Naeger, Vice Chair

Paul Herzog, Treasurer

Ana Odem, Secretary

Janet Braun

DeAnna Cartee

Francis Frelix-Vann

Mary Gegg

Joe Gettinger

Chris Klein

Don Naeger

Tom Otte

Phillip Tucker

Nick Rozier

Jean Werner

Mike Kertz Jr.

Mike Kertz, Jr.

Chair

Kate Kammler

Kate Kammler

County Program Director



New in 2018



2018 was an exciting year for the Ste. Genevieve County Extension Office. We moved into new office space in the Progress Sports Complex of the Ste. Genevieve County Community Center in August.



Estrella Carmona, County Engagement Specialist in Nutrition and Health Education, and Janet Braun, 4-H Youth Program Associate, joined MU Extension in December. We are looking forward to exciting programs in 2019!



Citizens turn to extension to solve complex problems. Every year, residents turn to University of Missouri Extension to help them address complex change, solve problems and make informed decisions. Then benefit from one-on-one assistance, seminars, and research-based publications.



Did You Know???

- ◆ **MU Extension's Fire and Rescue Training Institute** provides comprehensive continuing professional education and training to Missouri's fire service and emergency response personnel. Courses prepare firefighters for medical emergencies, hazardous materials response, and disaster preparedness and mitigation, as well as fires. There were **91** FRTI students in 2018 from Ste. Genevieve County. <http://www.mufrti.org>
- ◆ **MU Nursing Outreach** keeps Missouri nurses up to date with the knowledge and skills they need to effectively provide care and fully participate in the state's health care efforts is a primary goal for Nursing Outreach. Nursing Outreach serves a predominantly rural health care audience with high-quality, affordable continuing education programs using face-to-face, web-based, and online delivery methods. In 2018 there were **27** participants from Ste. Genevieve County. <http://nursingoutreach.missouri.edu>



TOP AG INFORMATION REQUESTS

How to Interpret Soil Tests

Insect Identification

Plant Diagnostics

Weed Identification and Control

What to Plant

Horticulture Resources





Ste. Genevieve County

4-H

County Engagement Specialist
in 4-H Youth Development
Stephanie Schindler



<p>Number of Learners in 2018</p>	<ul style="list-style-type: none"> ◆ 68 4-H members ◆ 15 trained 4-H volunteers ◆ 5 organized county 4-H Clubs ◆ 1 County SPIN Club 
<p>What Did They Learn?</p>	<p>Ste. Genevieve County 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, leadership, responsibility and team work. Members learn by doing under the guidance of adult volunteers who teach the different project areas. Clubs also involve children and teens in community service and educational trips.</p>
<p>How Participants Benefit</p>	<p>4-H helps grow caring, confident, contributing members of the community. The youth are empowered with knowledge of how to set goals, learning management skills, self-motivation and an understanding of what it means to be part of something bigger than themselves.</p>
<p>How Does This Work Make Ste. Genevieve County and Missouri Better?</p>	<ul style="list-style-type: none"> ◆ 4-H members are the future leaders, businessmen, and community members of Ste. Genevieve County. Learning the skills that 4-H has to offer and by empowering youth, our volunteers have helped to create a better community for all of us to live in. ◆ 4-H is growing future scientists! 4-H members are 3 times more likely to go into science related careers than similar peers. ◆ Studies show that youth in programs like 4-H are 70% more likely to attend college and increase their earning potential by \$2.01 million over their lifetime. ◆ Communities reap long-term benefits when they support 4-H. Youth engaged in the program are 60% more likely to vote than their non-engaged peers. In addition, 4-H youth are more likely to volunteer and contribute to their communities.



Ste. Genevieve County 4-H

4-H SPIN Club takes off in Ste. Genevieve County

In April 2018, Missouri 4-H programs were given a challenge – to organize at least one 4-H SPIN in each county before the end of 2018. Ste. Genevieve County 4-H stepped up and quickly met that challenge. Cooking with Dairy was a 4-H SPIN Club focused on youth learning to cook with dairy products, and the science behind it. Youth spent two days cooking and experimenting with various milk based foods.



15 Youth from Ste. Genevieve County took part in the club. Youth started the day by getting to know one another and then were off to the races...well the kitchen that is. They made butter and buttermilk, cheese crisps, homemade macaroni and cheese, pudding and orange cream pops, and taste tested a variety of cheeses. They also made a smoothie utilizing University of Missouri Extension smoothie bike – no electricity necessary, just pedal power!

While having fun and tasting each of their creations,

youth also learned about preparing food safely, measuring accurately and reading recipes. The final meeting included sharing a meal with their parents and taking home foods for their entire family to try!

4-H SPIN clubs allow youth ages 5 to 18 with common interests or hobbies to meet as a club and share and learn more about their special interest. Whatever their passion is, youth can gain knowledge and enhance their skills through a positive group experience. A 4-H SPIN club can be started with a minimum of one adult volunteer and five young people with an interest in a particular topic. The adult(s) provide expertise and guidance. They are a great way to introduce young people to a specific topic or interest they might not otherwise have a chance to develop within a group setting built around the principles of Positive Youth Development.





Horticulture

Field Specialist in Horticulture
Kate Kammler



<p>Number of Learners in 2018</p>	<ul style="list-style-type: none"> ◆ 1580 direct contact participants through programming (participants are actively engaged in the learning process); examples include Master Gardener Programs, Farmer’s Market Workshop, and individual contacts such as farm visits ◆ 19039 indirect contacts through calls, walk-ins, emails, monthly gardening newsletter, meetings, and other special assignments
<p>What Did They Learn?</p>	<p>Participants who engaged in horticultural/agronomy programming learned about integrated pest management (insects, weeds, disease), soil health, general plant care, and variety selection.</p>
<p>How Participants Benefit</p>	<p>Participants who gained knowledge on horticulture/agronomy topics may benefit in the following ways:</p> <ul style="list-style-type: none"> ◆ Learn to identify the problem, be it insect, disease, weed or nutrient and use an effective control measure, therefore reducing pesticide application and runoff into local water systems. ◆ Knowledge gained about soil health leads to saving money by applying the need rates of fertilizer, reducing nutrient runoff, and improving soil quality for future generations. ◆ Knowledge gained on general plant health and selecting the right plant for the right place for landscaping leads to increased property values, environmental benefits of reduced erosion and improved air quality, and conserving natural resources through reduced heating/cooling costs. ◆ Knowledge gained on home vegetable and fruit production leads to increased consumption of healthy food and increased exercise.
<p>How Does This Work Make Ste. Genevieve County and Missouri Better?</p>	<p>When you support the community Integrated Pest Management (IPM) program, participants will increase the use of IPM, increase use of personal protective equipment, and read the label contributing to correct pesticide application practices, which leads to reduced use of pesticides, decreased pesticide exposure, and increased IPM practices. This will benefit the community by reducing cost to consumers, increasing health and safety, and protecting the environment.</p>



Agriculture Business

County Engagement Specialist in
Agriculture Business

Rachel Hopkins



<p>Number of Learners in 2018</p>	<ul style="list-style-type: none"> ◆ 2065 Direct Contact participants through programming (participants are actively engaged in the learning process) <i>i.e.</i>, Farm Lease, Quicken For Farmers, Farm Lease and individual contacts ◆ 461 Indirect Contacts (information distributed) <i>i.e.</i>, meetings, emails, calls, and other special assignments
<p>What Did They Learn?</p>	<p>Participants who engaged in agriculture business programming learned about cash and crop share leases, pertinent items to included in a lease, record keeping, current trends in agriculture markets and livestock risk protection.</p>
<p>How Participants Benefit</p>	<p>Participants who gained knowledge on farm business management topics may benefit in the following ways:</p> <ul style="list-style-type: none"> ◆ Greater knowledge of farm leases and key points need to be included in a lease. This enables better landlord/tenant relationships, potentially saving money in litigation fees if there are disputes between parties. ◆ Knowledge of record keeping gives farmers greater confidence to keep better records and generate financial reports. Good records translates to better decision making and increased profitability. Additionally, tax accounting becomes easier and saves on accountant fees. ◆ Agriculture lenders are able to assist their clients make informed decisions derived from the decision tools, budgets and other resources. This benefits their producers by a better understanding of enterprise budgets and cash flow affecting families' and businesses' financial health.
<p>How Does This Work Make Ste. Genevieve County and Missouri Better?</p>	<p>Farm Business Management programs encourage improved business practices by producers which translates to higher profitability. When farmer's are profitable, they will reinvest in their operation, which in turn supports local communities and businesses and thus helps to sustain Missouri's rural economies.</p>



Livestock Education

Livestock Specialist
Kendra Graham



<p>Number of Learners in 2018</p>	<ul style="list-style-type: none"> ◆ 127 direct contact participants through programming (participants are actively engaged in the learning process); <i>i.e.</i>, beef cattle workshops, Show-Me-Select program, grazing schools, Cattleman’s meetings, Show-Me Quality Assurance training, 4-H livestock projects and the county fair. ◆ 29 individual contacts (one on one); <i>i.e.</i>, farm visits, walk ins, phone calls, emails. ◆ 163 indirect contacts (information distributed); <i>i.e.</i>, newsletters, SEMO Bull sale, meetings and other special assignments.
<p>What Did They Learn?</p>	<p>Participants who engaged in livestock programming learned about heifer development, forage management, recordkeeping, financial management, beef reproduction and nutrition, and farm theft. Youth participating in the Ag Safety day learned about how to stay safe around agriculture.</p>
<p>How Participants Benefit</p>	<p>Participants who gained knowledge on livestock topics may benefit in the following ways:</p> <ul style="list-style-type: none"> • Producers involved in the Show–Me–Select Heifer program gain knowledge on raising and marketing high-quality heifers. An increase in prices for heifers have been seen if they carry the Show-Me-Select tag. • Knowledge gained and implementation of forage/pasture management allows producers to reduce feed costs, improve pasture health, decrease synthetic fertilizer application and cost therefore improving profitability. ◆ Youth gained knowledge and awareness of agriculture equipment and farm safety.
<p>How Does This Work Make Ste. Genevieve County and Missouri Better?</p>	<p>Livestock production education programs teach management practices that can lead to a reduction of input costs and increased profitability. Profits made on the farm are likely to be re-invested in local agribusinesses. Increased livestock management tends to result in the production of higher quality meat or milk product therefore, increasing the value of that product. Educating youth about proper animal handling and welfare practices at an early age increases the chance they will continue utilizing the proper techniques as adults.</p>



Ag Education

Program Highlight: When you support MU Extension's Master Gardener Program, participants give back volunteer hours in the county, contributing to beautification, tourism, education, and vegetable donations. The Master Gardener program gives gardeners the chance to give back to their communities while learning more about gardening. 30 hours of classroom instruction plus 30 volunteer hours are required to become a Master Gardener. A minimum of 20 hours per year volunteered back to the community maintains Master Gardener certification. Master Gardeners are involved in a variety of service, educational and community support. Master Gardeners assist MU Extension in increasing public knowledge of horticulture issues.

2018 AG SUMMARY

189 Soil Tests

800+ inquires about horticulture and agriculture information

2000+ garden enthusiasts receive The Garden Spade monthly newsletter

600+ hours of volunteer time from Master Gardeners around the county



The Klein family was selected as the Ste. Genevieve County Missouri Farm Family by the Ste. Genevieve County Extension Council and local Farm Bureau. The family includes father, Chris, sons Isaac and Matthew, mother Julie, and paternal grandmother, Carol Klein. The Klein family owns a 230 acre cattle operation.

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 participate in local outreach and extension programs such as 4-H or FFA.



Family Nutrition Education Programs



Valerie Craig
Nutrition Program Educator

The Family Nutrition Education Program (FNEP) brings the latest nutrition information to low-income Missourians. FNEP helps clients achieve life long health and fitness. Paraprofessional nutrition educators work with clients individually and in groups in their communities and schools. Clients gain skills that pave the way for nutrition well-being and health.



Number of Ste. Genevieve County Learners in 2018	286 youth and 275 adults received nutrition education at Ste. Genevieve and Bloomsdale Elementary for a total of 561 contacts.
What Did They Learn?	<ul style="list-style-type: none"> 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. <p>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>
Total Statewide Impact	<p>The Family Nutrition Education Program (FNEP) brought \$9,449,699 in federal funds to the state of Missouri. These funds were used to provide nutrition education to 735,541 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri. There were 2,932,390 educational contacts. This year we had 2,242,249 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs, food pantries and the Show Me Nutrition help line.</p> <p>In addition to providing nutrition education, in mid-2017, FNEP began partnering with the SNAP Outreach program. Our Nutrition Program Associates (NPAs) are spending an average of 4 hours per week in providing information and assistance with SNAP applications.</p>



Human & Environmental Sciences

Rebecca Blocker

Human and Environmental Design Specialist



<p>What Did They Learn?</p>	<ul style="list-style-type: none"> ◆ Identify and reduce health risks of indoor air pollutants, control mold, pests, test for radon gas and reduce high levels. ◆ Skills to become successful renters and homeowners, improve budgeting, credit, selecting insurance, home care, maintenance, repair, remodeling, energy efficient behaviors, products, and alternative energy technologies.
<p>How Participants Benefit</p>	<ul style="list-style-type: none"> ◆ Improved health and safety may prevent disease, accidents, or death, reduce falls, hospital visits, medical costs, days off work or school, early need for a care facility. ◆ Homebuyers may qualify for special financing saving up to 35 percent on mortgage, avoid costly repairs with routine maintenance, reduce utility costs, fewer moisture problems, protect home investment and property value, and avoid foreclosure. ◆ Residents in transitional housing improved budgeting, apartment care and energy saving skills, legal aspects of renting, and communication and employment skills leading to improved credit and employment opportunities to help them transition from homeless to successful tenants.
<p>How Does This Work Make Ste. Genevieve County and Missouri Better?</p>	<ul style="list-style-type: none"> ◆ Maintaining safe, secure and healthy homes play a crucial and valuable role for families and in local economic and community development efforts. Energy conservation measures add value to home and save money in both summer and winter. ◆ Energy education saves money and reduces peak demand, carbon dioxide emissions, environmental impact, and dependence on foreign fuels. · Well-maintained homes provide community economic benefit by increasing property values, generating tax revenue, and often providing areas of lower crime. · Encouraging radon testing will reduce cancer related deaths from this invisible gas that is the second largest cause of lung cancer in the U.S leading to 21,000 deaths. ◆ Budgeting and life skills reduce dependence on government assistance, improve family stability, and improve employment skills and rental housing options. ◆ Disaster preparedness protects lives, property, and reduces recovery costs. ◆ Homebuyer education reduces foreclosures up to 60 percent. High foreclosure rates impact property values, tax base, city costs of abandoned properties, crime in deteriorating areas, family stability, and school performance of impacted children.

Ste. Genevieve County



University of Missouri System

COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

UM System Footprint in the county in 2018



Fall county students

80 students

- 68 Undergraduates
- 12 Graduate and professional students
- 64 Full-time students
- 16 Part-time students
- 14 Pell grant recipients (aid year 2018)



County employees and retirees

11 people employed by UM

- 9 Campuses
- 2 UM Health Care

2 UM retirees and beneficiaries

UM salary and retirement income: \$262,662

UM state tax revenue: \$9,481

UM federal tax revenue: \$47,347



County alumni

Selected school alumni

- 3 Medicine
- 31 Nursing
- 25 Health Professions
- 5 Dentistry
- 3 Pharmacy
- 5 Optometry
- 9 Veterinary Medicine
- 36 Agriculture
- 92 Engineering
- 9 Law

Alumni teaching K-12

- 16 teachers
- 11% of all district teachers
- 2 principals and administrators
- 22% of all district principals and administrators



County breakdown

MU

- 26 students
- 250 alumni
- 5 employees

UMKC

- 7 students
- 13 alumni
- 0 employees

Missouri S&T

- 27 students
- 69 alumni
- 1 employee

UMSL

- 20 students
- 143 alumni
- 3 employees



County properties and offices

MU Extension in: Ste. Genevieve County



County population: 17,937



County services provided

Health care

- 11 patients seen at UM Health Care, with \$2,629 of uncompensated care
- 5 patients seen at UMSL Center for Eye Care with a statewide average of \$73.83 per patient in uncompensated care

Extension

- 3,728 Total educational contacts from MU Extension to residents of district counties, including:
- 1,111 contacts related to productive farming, better gardening, and managing natural resources
- 2,592 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 25 contacts related to starting businesses, developing community leaders, or renewing the local economy



Financial Report

Ste. Genevieve County Extension is funded through a three-way partnership between federal, state, and county government. Federal and state funding provided through the University of Missouri pay professional staff salaries, benefits, training costs, and part of the communication equipment used in the local office.

County funding provides the local Extension Center with office space, operation cost which includes secretary salary, benefits, partial 4-H salary, mileage for staff, telephone, supplies, and other miscellaneous council costs for programming.

4-H Pledge

I pledge my HEAD to clearer thinking,
my HEART to greater loyalty,
my HANDS to larger service,
and my HEALTH to better living,



for my club, my community, my country, and my world.

2018 FINANCIAL REPORT

INCOME

County appropriations	42,869.04
Balance transfer	<u>5779.13</u>
TOTAL INCOME	48,648.17

EXPENSES

Wages (1 Full Time Equivalent)	27,281.68
Wages (4-H, 1/4 FTE)	308.72
Payroll expenses	4,971.13
Travel reimbursement	2194.57
Office Space Rent	6000.00
Phone: regular service	1,148.61
Phone: long-distance	81.61
Marketing and promotion	892.96
Equipment lease	312.00
Supplies & services	2,366.44
Insurance	255.00
Repairs & maintenance	1240.45
Equipment & furniture	1475.00
Miscellaneous	<u>120.00</u>

TOTAL EXPENSES **48,648.17**

BALANCE **\$0**

DID YOU KNOW?

You can direct your donation to a specific county as a gift to be used immediately or as an endowment contribution to support the county's efforts long term. Gifts are generally used within one to two years. Monies put into an endowment are left in the fund forever to earn interest; once the endowment is fully funded, the county extension office receives the earnings monthly—forever.

You can also direct your donation to a specific MU Extension program, such as your county's Master Gardener or 4-H program.



Extension

University of Missouri

Ste. Genevieve County Extension

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A very special THANK YOU to the Ste. Genevieve County Commission for their continued support of Extension programming!