University of Missouri Extension provides equal opportunity to all participants in extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, national origin, sex, sexual orientation, gender identity, age, genetics information, disability or status as a protected veteran.
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Dear County Commissioners and Friends of MU Extension:

Over the past year, with a theme of Celebrating the Past and Building for the Future, MU Extension marked a century of service to Missouri. While the celebrations have come to an end, the focus on building for the future is strong. The university's commitment to the mission of bringing relevant, reliable and responsive education to improve lives and local economies is alive and well.

To maintain our position as a valued and trusted resource for Missourians, MU Extension continues to strengthen existing programs, build relationships and explore new opportunities to benefit Missourians. For example:

In the area of agriculture, the Show-Me Select Heifer Replacement program continues to improve the breeding performance of heifers as it helps participants realize record prices for their efforts. Producers from 103 of Missouri's 114 counties have enrolled heifers in the program. In a record-setting sale, 168 bred replacement heifers sold for an average of $3,033 at the Fruitland (Missouri) Livestock Auction.

Strengthening communities through art, innovation and creativity, Extension’s Community Arts Program is piloting an initiative in Lexington to help the community enhance its image with art businesses and opportunities that reflect the talent of regional artists and benefit a nine-county tourism alliance. The Community Arts Program is also at work in the St. Louis area, overseeing the Saint Louis Storytelling Festival, which engages approximately 25,000 people each year.

Knowing the value of dialogue with those it serves, MU Extension has made a concerted effort with the Mizzou Alumni Association to introduce MU Chancellor R. Bowen Loftin to extension programs, participants, key stakeholders and alumni from all corners of the state. These tour events, which will continue into 2015, are designed to foster understanding and support that lead to a stronger local extension effort across the state.

These are just a few examples of MU Extension's focus on building for the future and continuing to making an impact in local communities.

I thank you for your support of MU Extension and our efforts in your community. I look forward to our continuing partnership and welcome your ideas for improving our partnership.

Michael D. Ouart
Vice Provost and Director
Impact on Macon County, Missouri

The County at a Glance

- UM Students: 81
- UM Alumni: 447
- UM Employees: 44
- Population: 15,544
- UM Salary & Retirement Income: $1,710,526
- UM State Tax Revenue: $58,440
- UM Federal Tax Revenue: $274,180

UM Students from the County in 2014
- 81 students
  - 73 - MU
  - 3 - UMKC
  - 5 - Missouri S&T
  - 64 - Undergraduates
  - 17 - Graduates
  - 64 - Full-time students
  - 17 - Part-time students

UM Alumni Residing in the County in 2014
- 447 alumni
  - 374 - MU
  - 33 - UMKC
  - 21 - Missouri S&T
  - 19 - UMSL
  - 212 Selected School Alumni
    - 8 - Medicine
    - 22 - Nursing
    - 15 - Health Professions
    - 4 - Dentistry
    - 5 - Pharmacy
    - 2 - Optometry
    - 7 - Veterinary Medicine
    - 93 - Agriculture
    - 37 - Engineering
    - 19 - Law

UM Services Received in the County in 2014
- 2,673 patients seen at UM Health Care, with $1,071,288 of uncompensated care.
- 5 patients seen at the UMKC School of Dentistry with an average of $123 per patient in uncompensated care.
- 16,085 contacts with MU Extension through MU Extension events held in district counties.

UM Employees and Retirees Residing in the County in 2014
- 44 people employed by UM
  - 19 - MU
  - 1 - Missouri S&T
  - 24 - UM Health Care
- 16 UM Retirees and Beneficiaries

UM Alumni Teaching K-12 in the County in 2014
- 32 teachers
- 14% of all county teachers
- 2 principals and administrators
- 15% of all county principals and administrators

UM Footprint in the County
Bertha Brown Farm, Macon County MU Extension Center
Impact on Macon County, Missouri

UM Research Expenditures Funded by Federal and Private Sources

- Between FY2008 and FY2013, UM brought in more than $1.1 billion in federal and private research funds.

Economic Development Highlights
- With $3.2 billion in total revenues in 2014, UM would have been the 16th largest publicly held Missouri-headquartered company in the state in 2013.
- With almost 32,000 employees in the state, UM was Missouri’s 2nd largest employer in 2013.
- In 2012, UM’s $165.2 million in federal research expenditures represented 94.3% of these expenditures at Missouri public universities.
- In 2014, UM’s $310 million in National Science Foundation (NSF) awards represented 91% of all NSF awards made to Missouri public universities.
- UM earned $10.8 million in licensing income in 2014.
- UM received 176 new invention disclosures in 2014.
- 4 startups were created around UM technologies in 2014.
- UM was issued 53 U.S. patents and filed 83 new U.S. patent applications in 2014.

Electronic Services to the State in 2014
- The Missouri Research & Education Network (MOREnet) provided internet connectivity and technical services to members that include:
  - 61 higher education institutions with more than 238,000 students.
  - 517 K-12 schools serving more than 846,000 students.
  - 132 public libraries connecting 335 library buildings that serve 5.3 million Missourians.
  - Serving the State Office of Administration, several municipalities and various other eligible organizations.
- MOREnet returned over $15 million in telecommunications expenditures to companies doing business in Missouri.

Financial Aid Provided to UM Students in 2014
- $888.2 million provided to 58,553 total students
  - $444.9 million (28,087 students) - MU
  - $202.2 million (11,887 students) - UMKC
  - $102.2 million (6,819 students) - Missouri S&T
  - $138.9 million (11,740 students) - UMSL

Impact on Education
- UM enrolled 44.8% of first-time undergraduates attending four-year public institutions in 2013.
- UM awarded 50.4% of the 1,210 doctoral degrees earned in Missouri in 2012.
- UM awarded 41.8% of the 1,890 first professional degrees awarded in Missouri in 2012.
- UM awarded 53.6% of the 30,793 bachelor’s or higher degrees awarded by Missouri’s four-year public institutions in 2012.

Supporting the University of Missouri is an investment in the future of Missouri.

The university advances Missouri citizens and communities through its mission of teaching, research, public service, and economic development across our four campuses and University of Missouri Extension.
A Message from the
Macon County University of Missouri
Extension Council Chair

Dear Citizens of Macon County:

It is an honor and privilege to present this 2014 Annual Report of the University of Missouri, Macon County Extension Council, to the citizens of our County.

We are grateful to the Extension staff, who have dedicated their profession to making this a successful year, along with the time and talents of many volunteers, community leaders, and council members.

It is the goal of the Macon County Extension Council, through the University of Missouri, to provide our citizens with the many educational opportunities to support their businesses, families and community.

The knowledge provided through the following programs:

1.) Community Development
   A.) Works on grants, community leadership skills.

2.) Business Development
   A.) Small Business Technology Development Center: Which includes small business startup, financial analysis, marketing, human resources counseling.
   B.) Missouri Procurement Technical Assistance: Assistance for small business to learn and navigate through government contracting.

3.) Agricultural Programs and Assistance
   A.) Livestock Production Assistance: Livestock Management-Production.
   B.) Crop Management: Which includes Crop Management-Production, farm structures, water systems.
   C.) The Master Gardeners Program: Assists individuals to learn sustainability of growing produce and taking care of plants.
   D.) Horticulture Program: Educates on landscaping, trees, vegetables, flowers, houseplants and fruits.
   E.) Agriculture Business: Assists in Farm Management, commodity marketing, risk management, laws and policies and product marketing.

4.) Human Environmental Science
   A.) Family Nutrition Education Program: Educates on Diet, Types of Food in School Curricula.
   C.) Human Development and Family Studies: Educates Individuals and families on relationships and growth across their lifespan.

5.) 4-H Youth Development Program
   A.) It’s about young people making new friends and memories while preparing to be future leaders - from both rural and urban areas!

It is our sincere wish that you will find within this report an understanding of the ways in which your Extension is striving to provide essential services to our citizens. We are looking forward to another great year.

Paula Thompson
Macon County Extension Council Chair

Chris Shoemaker
Macon County Program Director
HISTORY, MISSION AND FOCUS

The University of Missouri is the oldest university west of the Mississippi River, and for 171 years has been helping Missouri citizens use knowledge to solve problems and lead more productive lives.

The University has treated education as a lifelong process. Extension and continuing education activities of the University have operated in tandem with its research and teaching functions. The Morrill Act of 1862, which established land-grant colleges, and the Smith-Lever Act of 1914, which instituted the Cooperative Extension Service, is the foundations for the University’s extension mission. The Morrill Act of 1890 also established Lincoln University as a land-grant institution. Together, the universities are helping people turn knowledge into know-how by applying research and academic finds to everyday problems.

Education is the key to improving the quality of life for all citizens, and University Extension is committed to extending the entire resources of the University of Missouri and Lincoln University to accomplish that goal.

MISSION

The mission of University Extension is to extend the educational resources and knowledge base of the University of Missouri and Lincoln University to the people of Missouri.

FOCUS

University Extension has focused its program efforts in four major areas of emphasis: increasing the profitability of agriculture, strengthening families, expanding economic development, and enhancing lifelong education.

COUNTY EXTENSION COUNCIL

In every Missouri County, an MU Extension council — comprised of elected and appointed citizens—guides local educational programming. County council members are partners in the entire educational process, from needs assessment through program implementation and evaluation of outcomes.

Work with regional specialists to provide the county educational program
Manage finances of local extension operations
Provide personnel to carry out extension activities
Elect and organize the local extension council
PURPOSES OF COUNCILS

The councils have four purposes assigned by law:

Make recommendations and suggestions to the University concerning the extension programs.
Make recommendations and suggestions to the University concerning the appointment or removal of extension personnel.
Arrange for and administer the county’s share of the cost of the extension services over which the council has jurisdiction.
Receive, hold and/or sell real and personal property reasonably required for the extension program.

University of Missouri Extension Council
Macon County 2014

The extension council consists of twelve (12) elected members and two (2) appointed members. Appointed members consist of one county commissioner, one member from a farm organization which is Farm Bureau of Macon County. The council members are the Paula Thompson-Chair, Corey Blackford-Vice chair, Cheryl Fullerton-Treasurer, Amy Coleman-Secretary. Other members are Wayne Hackman, Danny Primm, Barbara Primm, Greg Robertson, Lisa Tull, Matt Bergfield, Ben Coleman and Jennifer Gordon.
### Macon County Financials 2014

**County Appropriation** $42,500

Expenses:
- County Office Support $17,000
- Payroll Exp. / Benefits $ 6,858

**Total Salary** $23,868

- Rent $ 9,410
- Telephone $ 1,374
- Property Insurance/Bond $ 538
- Utilities $ 1,786
- Travel $ 2,200
- Storage Facilities $ 300
- Copier $ 3,151
- Supplies $ 635

**Total Expenses** $ 19,394

**Total Expenditures** $43,262
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## Business Development

**Missouri Procurement Technical Assistance Centers**

Chris Shoemaker, business development specialist

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| 14                              | 79                                                   | The registration processes for state and federal contracting along with potential opportunities that pertains to their product or services offered. | Possible contracts that give them opportunities to bid on and ultimately receive contracts from their bid proposals. | This job creation along with increasing small business opportunities in Rural Northeast Missouri. Overall, the University of Missouri’s Business Development Programs (BDP) served people and their businesses state-wide. The total impact for all businesses assisted by the BDP was:  
  - Government contracts; $349,593,124  

  **Award Amount**  
  **$3,101,244**  

- The business development faculty contributing to these business successes are from the programs identified above. The staff have regional and statewide assignments and work with businesses in all counties across the state. |

*Chris Shoemaker, business development specialist leading the "Operation Jump Start" class.*
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| 438                            |                                                      | Better business decision making and financial management results in stronger businesses and a stable business community | Statewide  
4,149 Clients Counseled  
25,640 Counseling Hours  
815 Business Trainings  
16,840 Training Participants  
2,810 Classroom Hours  
238 New Business Creations  
1,616 Jobs Retained  
2,674 Change in Staff  
$204,377,649.78 in Loans and Equity  
$207,464,049.23 in Sales Increases  
$3,814,347.00 in Research Grants  
$208,191,996 in Total Capitalization | Creates stronger business which creates stronger communities. |
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| 44                             |                                                     | Business Development Program Specialists and business counselors with MU Extension, Missouri Small Business & Technology Development Centers (MO SBTDC), counsel people and their companies with start-up and management counseling, training and other assistance creating stronger companies. | 2 New Jobs  
1 New business Start  
$10,000 Total Capitalization  
$3,614 Sales Increase  
$10,100 Total Capitalization | As entrepreneurs and innovators, Missouri’s small businesses are becoming a more diverse group that continues to make the state’s economy productive. There are approximately 500,000 small businesses in Missouri. Nearly 98 percent of all businesses with employees are categorized as small businesses. In assisting the owners and managers of those businesses, MU Extension contributes to a county’s economic development through growth in jobs, sales, innovation, technology development and commercialization. |
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<td>4-H youth development in Macon County is a community of 190 youths building life skills, engaging in science and connecting to communities.</td>
<td>190 members x 1hr per month x 12 monthly club meetings = 2,280 hours of community club work. 4-H offers over 100 different project areas for members to enroll in such as electricity, robotics, beef and cake decorating. To be recognized as a member in good standing each member must also complete at least one project in which they work with a registered volunteer for at least six hours per year. 190 members x 1 project each x 6 project meeting hours = 1,140 hours spent doing project work with an adult 4-H volunteer. Most members take around three different projects and spend more than the six required hours with a volunteer.</td>
<td>The five Macon 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 aerospace and arts to veterinary science and sport fishing. Clubs also involve children and teens in community service, camping and educational trips.</td>
<td>4-H members continue to build on life skills that will benefit them throughout their lives.</td>
<td>4-H connects kids to college and a higher quality of life. Missouri 4-H members are twice more likely to have been on a college campus than their non-4-H peers. MU is by far the campus most frequently visited and 4-H is the second most reported reason to be on the MU Campus (Lerner, 2008). MU Extension 4-H connects 8,500 young people ages 8 to 18 to University of Missouri campuses and faculty. Being on a campus is a predictor of youths going on to higher education (Hoover, 2006).</td>
</tr>
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</table>

- Thirty-two Macon County young people ages 8-18 participated in 4-H events on the MU Campus
- These students are more likely to go to college and enjoy
  - increased financial success for themselves and their offspring,
  - being better consumers,
  - improved quality of life through more opportunities for leisure and hobbies,
  - improved health for themselves and their children (Porter, 2003),
  - being more likely to vote as adults, and
  - being more likely to contribute to their community (Lerner, 2009; Zaff et al, 2003).

Youths who earn their bachelor’s degree increase annual earnings by $2 million over their lifetime (NACUBO, 2012).
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<td>Macon County 4-H members are supported by 97 registered adult volunteers</td>
<td>Missouri 4-H volunteers responding to a survey report they contribute on average 100 hours per year. Valuing their time at $21 per hour, based on average Missouri incomes, the contribution of Macon 4-H volunteers was worth more than $203,700 in 2014!</td>
<td>Volunteers come away from their experience learning as much from the members as they taught. They learn how members interact and what motivates youths. Each volunteer must take a one-time Volunteer Orientation course. During the orientation they learn about the history of 4-H, youth development, the 4-H philosophy regarding competition and how 4-H teaches life skills and character to our youth.</td>
<td>Volunteers create, support and are part of the 4-H community. 4-H volunteers organize club meetings, project meetings, fundraisers and events. These dedicated people help our youths learn about project-related skills such as using a sewing machine to make a dress while at the same time learning important lifelong skill such as responsibility.</td>
<td>Volunteers create, support and are part of the 4-H community. More important, these adults serve as mentors for our youths helping them transition into caring and contributing adults throughout our communities.</td>
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Volunteers assisting with judging day at the county fair.
### Achievement Day

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<td>55 4-H members participated in the annual Achievement Day. Members competed in demonstration contests, public speaking contests, personal development interviews, 4-H royalty interviews, fashion revue, a table setting contest, collection displays, team skill-a-thon and judging contests for ages 5-18.</td>
<td>55 participants x 3 hours = 165 hours</td>
<td>Achievement Day assists 4-H youths in improving problem solving, communication and organizational skills as youths develop and present demonstrations, public speech and judging class reasons. They also enhance teamwork skills as they work together to complete a task during a team contest called skill-a-thon.</td>
<td>4-H also helps youths prepare for future job interviews by offering different contests such as personal development, royalty, table setting and collections displays, where each participant will be interviewed by a single judge or a panel of judges.</td>
<td>The 4-H Study of Positive Youth Development discovered that, when compared to other youths, young people involved in 4-H have higher educational achievement and higher motivation for future education. In addition, youth in 4-H make more civic contributions to their communities than youth in other out-of-school programs.</td>
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4-H member working on a judging class at county Achievement Day.
### Number of Macon County Learners

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<td>Some events the Macon County 4-H members attended include:</td>
<td>4-H members spend months working in their project areas preparing for county, regional, state and national contests or events.</td>
<td>4-H offers many opportunities for youths to learn life skills and grow into contributing adults.</td>
<td>Community service is integral to positive youth development programs. Young people in 4-H are engaged in twice as many leadership roles than their non-4-H peers (Lerner, 2008).</td>
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<tr>
<td>- State 4-H Teen Conference—8 members attended</td>
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<tr>
<td>- State 4-H Congress—10 members attended</td>
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<tr>
<td>- State Public Speaking—10 members attended</td>
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<td>- State Shooting Sports Contest—17 members attended</td>
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<tr>
<td>- State Livestock Judging—8 members attended</td>
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<td>- State Demonstrations—11 members attended</td>
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<td>- State Fashion Revue—4 members attended</td>
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<tr>
<td>- Missouri State Fair—24 members attended</td>
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### 4-H

**Tracie Moore, 4-H youth development specialist**

**Show-Me Quality Assurance**

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<td>26</td>
<td>Some 4-H members will own or manage an animal for a project. The Show-Me Quality Assurance program is a two hour program geared toward 4-H youths enrolled in food animal projects such as beef, rabbits, poultry, sheep, swine, dairy and goats. Members enrolled in a food animal project will take the course twice between the ages of eight and thirteen and once again when they are fourteen. They will spend at least six hours in the Show-Me Quality Assurance program.</td>
<td>Information covered during the course includes daily care and management, animal handling, animal identification, reading feed labels, biosecurity, proper injection locations, carcass quality and medication withdrawal times.</td>
<td>4-H members who are enrolled in animal projects take on a big role of responsibility. Members not only take care of their animal’s daily well-being but also keep breeding records, medical records and expense records.</td>
<td>Young people in 4-H are engaged in twice as many leadership roles than their non-4-H peers. This provides them with the experience in problem solving to step up and lead in a complex, changing world.</td>
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A 4-H member learning how to give an injection.
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<td><strong>188</strong> 4-H and FFA members participated in the 2014 Macon County Town &amp; Country Fair.</td>
<td>Each exhibitor may put in 100 hours, preparing, practicing, helping others and exhibiting at the county fair.</td>
<td>4-H can also offer a taste of entrepreneurship to many youths through projects such as electricity, cake decorating, beef, computers, home environment and welding. The Macon County Fair gives 4-H members the opportunity to promote their work by exhibiting in shows, contests, demonstrations, displays and the Livestock Sale.</td>
<td>During the fair 807 ribbons were awarded. The Danish system of judging is used at the fair where the exhibit is evaluated against a standard and recognition is given to the exhibitor by how close they have come to meeting that standard. A blue ribbon indicates the youth has excellent knowledge in the project area that exceeds the standard. A red ribbon indicates the youth has some knowledge in the project area and meets the standard. A white ribbon indicates the youth has little or no knowledge in the project area.</td>
<td>Members who exhibit at the fair use the judge’s comments as valuable information to help them improve and grow for the future. Youths who exhibit an item inside the Expo building at the fair participate in conference-style judging. Conference judging allows the member and judge to evaluate the exhibits together. During the evaluation, the judge and exhibitor talk directly with each other. Through the two-way conversation the judge can give suggestions to improve the exhibit and the exhibitor may explain problems encountered and solutions as well as goals reached and any knowledge gained. Conference-style judging gives the exhibitor an opportunity to learn from the judges experiences and knowledge and to start making future plans.</td>
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County fair exhibitors waiting to have their exhibits judged.
16 from Macon county attended 4-H Summer Camp at Cuivre River State Park near Troy, Missouri.

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| 16 from Macon county            | Summer camp is four days per session. 16 campers x 48 programing hours spent at camp = 768 hours | Evaluation has shown 4-H camp is helping youths develop skills related to decision making, wise use of resources, useful or marketable skills and self-responsibility. When campers have been asked about the most important thing they had gained from attending 4-H camp, many responded with answers related to accepting responsibility, being more independent, interacting better with people, ability to make new friends the ability to get along with people, teamwork, decision making and self-confidence. | Parents noted that when their children returned home from camp they had better attitudes, flexibility, improved responsibility and a better tendency to help out as a result of attending 4-H Camp (Klem, 2006). | 4-H members regardless of their background, socio-economic status, race and gender, thrive through the health/safety education and experiences they receive through 4-H programming. Young people in 4-H are

- Less likely to have sexual intercourse by grade 10,
- 56 percent more likely to spend more hours exercising or being physically active, and
- Shown to have had significantly lower drug, alcohol and cigarette use than their peers (Lerner, 2009). |
### 4-H

**Tracie Moore, 4-H youth development specialist**  
**Hatching Chick in the Classroom**

<table>
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<td>116 Students in Macon County participated in 4-H school enrichment programs in 2014.</td>
<td>Pre-incubated eggs are delivered to the classroom on a Monday where students turn the eggs twice daily until Friday. The eggs hatch the next Monday and stay in the classroom for the week.</td>
<td>Students in classrooms that participate in 4-H embryology learn about science, life, responsibility, decision making and teamwork while working their way through activities and lesson plans provided to the teacher or volunteer by the extension office.</td>
<td>4-H school enrichment programs are short-term educational experiences that supplement learning in the classroom. Most are led by teachers or 4-H volunteers. The most popular 4-H school program in Macon county is “Hatching Chicks in the Classroom”.</td>
<td>Missouri 4-H members are engaged with science activities. The advantages of 4-H participation include the development of positive attitudes about science and more participation in science-focused activities during out-of-school time. The benefit for girls seems particularly important. In the national 4-H Study of Positive Youth Development Wave 7 sample, 4-H girls were significantly more positive on all the measures related to science. Missouri girls in Wave 7 were also more likely to report that they participated in programs that increased their interest in science-related topics (Lerner, 2006).</td>
</tr>
</tbody>
</table>

*Duplicates not removed*
### Number of Macon County Learners

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<td>Several events and trainings were held for child care providers in Macon County. The Community Child Development Center is also in the process of expanding their facility to provide care to more children and develop a multi-purpose area for rainy days. Thirty providers attended the Spring Conference March 7 which was held in Macon. Six providers attended a workshop on ‘Biting’ at the Macon County Health Department.</td>
<td>324</td>
<td>Participants learned about child sexual abuse and how to handle these situations; biting behavior and how to handle these situations; evaluating their learning environments and making adjustments as needed to provide the best for the children.</td>
<td>Action plans were developed to implement the skills and knowledge gained with the children in their care. When you support programs for early care and education child care providers learn better practices for nutrition and health education as well as the importance of increasing physical activity in the early years. These practices lead to reduced obesity and good health for adults and children alike.</td>
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When you support programs for early care and education child care providers learn better practices for nutrition and health education as well as the importance of increasing physical activity in the early years. These practices lead to reduced obesity and good health for adults and children alike.

One of the activities involving Teen Development. Learning how to use a fire extinguisher.
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| 36 from Loch Haven Staff Community Child Development Center | 72 | The participants received instruction on setting financial goals, understanding credit pitfalls, identifying spending habits, budgeting concepts, and strengthening communication skills about money. Evaluation of the various workshop shows that participants learn:  
- Strategies to replace financial stress and worry with positive action solutions.  
- Having savings in the bank is life changing.  
- Paying off debt is a form of savings and builds net worth.  
- There is only one truly free website to access your credit reports (annualcreditreport.com) and more than 100 rip-off websites.  
- A bad credit report can cost a family $250,000. The credit report is the most important document a family has.  
- Predatory lenders routinely charge the equivalent of three and four digit annual percentage rate interest when both interest and fees are considered. |  
- One hundred percent of the participants had written financial goals by the conclusion of their work.  
- Each participant gained an understanding of predatory lenders and received a list of resources available to them.  
- Making financial decisions less on the basis of fear or greed and with quality, correct information.  
- Every participant left the program with knowledge about their personal credit report and how to gain access to their report.  
- 98 percent find learning about financial management with Extension to be a positive experience and would recommend it to others.  
- Participants reduce their financial stress and take positive actions like:  
  - Communicating with lenders.  
  - Selecting lenders carefully.  
  - Building net worth.  
  - Paying off debt.  
  - Increasing their saving for retirement and other critical goals.  
  - Making financial decisions less on the basis of fear or greed and with quality correct information. | The Personal Finance Employee Education Foundation has documented that every $1 spent in financial education, the bottom line in increased employee productivity is $3. That’s a 300 percent return. That’s job retention.  
- The research of E. Thomas Garman shows that financially distressed workers are absent more frequently and also have higher turnover rates. Employee theft is also higher. Financially distressed workers spend more time at work on their financial issues and less on their employer’s priorities. Financial education helps employees focus on their productivity and that’s economic development for Missouri.  
- When you support MU Extension’s Making Money Count program, participants learn to track their spending for 30 days, which leads to increased success in reaching family financial goals, and that benefits other community members by reducing the amount of time financially distressed workers spend focusing on financial issues at work and it consequently strengthens family relationships. |
### Lady Landowner Workshop

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<tr>
<td>1</td>
<td>4.5 hours</td>
<td>Lady landowners learned about USDA and Soil and Water Conservation District programs; how to find and prepare local foods; how to optimize land fertility; and current rental rates for different types of ground.</td>
<td>Participants will try more wild and local foods. For the majority of attendees, this was their first experience with wild edibles. Attendees will inquire about pest management, woodland erosion, and livestock exclusion. Landowners will review and re-negotiate land rental rates.</td>
<td>Lady landowners are better prepared to deal with farm issues such as determining a fair rental rate; land fertility concerns, finding and using local foods, and utilization of conservation programs. They will be more involved and practice in farm decision making which makes them better business operators.</td>
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### Farm Lease Education

**Agricultural Education**

Darla Campbell, agricultural business specialist

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<tr>
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<tr>
<td>6 participants in this class</td>
<td>18 class hours</td>
<td>Attendees learned the value of good communication and how it can make for a better farm lease. Topics covered were: - current farmland rental rates and future trends - specific items to include in a farm lease - how to legally terminate a farm lease in Missouri - recreational leases - crop and livestock arrangements</td>
<td>As a result of taking the class: • 87 percent of attendees now have a better understanding of fair rental rates in their area • 100 percent of attendees know the legal, correct way to terminate a farm lease • 100 percent of those that attended understand that a lease is a legal, binding contract</td>
<td>Participants gain insight from both the landowner and tenant perspective, cumulating in leases that are fair for both parties. This promotes optimal land use leading to move sustainable profitability. It encourages better landlord-tenant communication which lowers conflict and avoids costly litigation.</td>
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</table>
## Agricultural Education

### Darla Campbell, agricultural business specialist

#### Farm Bill Education

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<tr>
<td><strong>49</strong> participants from Macon County, with 68 total in attendance</td>
<td><strong>122.5 hours total</strong> <em>(49 x 2.5)</em></td>
<td>Participants learned about their options under the new farm bill—ARC IC, ARC Co, or PLC. They learned the timeline for yield updates, base reallocation, enrollment and sign-up. The decision tools were demonstrated and access to those tools shared. Attendees also learned what they needed in order to input their information into the decision tools. They also learned who the people and organizations were who could help them through the process.</td>
<td>93 percent of respondents said they will take action on what they learned. Some will attend another farm bill educational session as the next step. Landowners will update yield data and decide on base acre reallocation. Producers will acquire the necessary form from Farm Service Agency to input their yields into the decision tool. Producers and landowners will utilize the decision tool before enrolling. Producers will enroll in ARC IC, ARC Co, or PLC.</td>
<td>This decision will affect producers and landowners at least through 2018. The programs are designed as risk management tools. By understanding how the different options work, producers can establish the level of risk protection that best fits their operation. This provides producers price or revenue protection from influences beyond their control. This helps producers stay in business—the business of feeding Missourians, feeding the United States, and feeding the world.</td>
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### Number of Macon County Learners

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<tbody>
<tr>
<td>7 participants</td>
<td>38.5 hours</td>
<td>Topics for the two seminars held at Kirksville and Hannibal were: Crop and Livestock Outlook Farm Bill Ag Tax Law Update Calculating what you can pay for land rent Producers and the Affordable Care Act SBA loan guarantees and micro-lending</td>
<td>Lenders will help their agricultural customers to use the information and tools they were given. Specific actions include: Using the rent calculator Using the Farm Bill decision tool Referring people to the Missouri Marketplace Using the budgets weekly</td>
<td>The lenders in attendance manage 3157 loans totaling $385,300,000. By attending University of Missouri’s Agricultural Lenders’ seminars, lenders are able to help their clients make better decisions based on the decision provided. This benefits their portfolio of producers and landowners by a better understanding of enterprise budgets and cash flow affecting families’ and businesses’ financial health.</td>
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<tr>
<td>A total of 65 lenders attended from 18 Missouri counties, Iowa and Illinois.</td>
<td>357.5 hours total for all lenders</td>
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## Agricultural Education

**Darla Campbell, agricultural business specialist**

**Poultry Judging Clinic and FFA Contest**

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| **5**                           | **147 Hours**                                        | Participants learned how to grade and judge:  
  * Live bird evaluation  
  * Ready to cook poultry and product evaluation  
  * Interior quality eggs  
  * Merchandising and further processing  
  * Carcass evaluation  
  * Poultry management | Participants rotated through the different classes as they would in district and state competition. Then Dr. Jesse Lyons went through all the classes with the kids and instructors. The Vo Ag instructors reported that they were much more confident in working with their poultry teams after the clinic. Youths reported they understood how to determine placing on a live bird and carcass class. The majority were able to accurately identify parts and about half felt confident grading eggs. | Several of these youths may pursue careers in the poultry industry. Youths will have more confidence in their poultry supervised agricultural experiences (SAE) project. Youths engaged in this clinic are better prepared to compete at the district, state, and national level. In the long term, they are learning how to be better producers and consumers of poultry products. |
| **19**                          |                                                      | Participants had Career Development Experiences (CDE) in the following contests:  
  Meat  
  Equine  
  Livestock  
  Poultry  
  Dairy Cattle  
  Dairy Food  
  Forestry | This event helps prepare youths for District and State contests, as well as, real life careers. It also meets DESE testing requirements for seniors who have been in a specific area of vocational agriculture for two or more years. | Youths engaged in these contests are learning career options and techniques for the future. Youths engaged in these contests, gain the knowledge required for competition on State and District Competitions. |
| **2**                           |                                                      |                      |                           |                                                          |

Youths engaged in these contests are learning career options and techniques for the future. Youths engaged in these contests, gain the knowledge required for competition on State and District Competitions.
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<tr>
<td>1</td>
<td>3 hours of instruction</td>
<td>The seminar was facilitated by Zac Erwin and Karisha Devlin. Guest speakers included Dr. Ron Plain, and Dr. Jared Decker. Dr. Plain, MU Extension agricultural economist, discussed the current trends in beef production, trade, domestic supplies, demand factors, and price and profitability prospects for the coming year. Dr. Decker, geneticist, discussed the how and why of genomic testing. Specifically what information do these tests provide and how does it apply to commercial and purebred beef herds.</td>
<td>This information in making decisions regarding marketing and feeding their cattle.</td>
<td>Producers and rural communities benefit from improved profitability of livestock operations, in turn, this contributes to Missouri’s agricultural economic strength.</td>
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</tbody>
</table>

On the evaluation, participants rated the seminar on a scale of 1 to 5 with 5 being the best. The results:

Quality of overall seminar — 4.2
Usefulness of materials presented — 4.1
Information gained — 4.2

Participants were also asked to rate their knowledge before and after the program. The evaluations showed a knowledge gain after the program. The results: My knowledge (after Beef Seminar): — 81 percent

Learned about the price/profitability prospects for 2014, -77 percent knows more about the current trends in beef production, -74 percent know more about beef demand and trade factors, -77 percent understand how genomic testing can be useful to commercial and purebred beef herds.
### Agricultural Education

**Karisha Devlin, agri-business specialist**  
Management Grazing School

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<tr>
<td>2</td>
<td>15 hours of instruction</td>
<td>The two-day school provided opportunities for in-depth discussions and field exercises covering both agronomic and livestock topics related to grazing and livestock production on pastures. Topics included pasture species selection and management, fencing and watering systems, animal health on pasture, animal nutrition, pasture improvements techniques, and economics of pasturing systems.</td>
<td>Producers implementing a MIG system have reported large increases in available forage as well as increased stocking rates for their pastures.</td>
<td>When you support MU Extension’s Management Intensive Grazing program, participants enjoy increases in available forages and stocking rates for their pastures. Participants save money by not having to buy extra feed for their animals, and other community members benefit from an increased flow of money in the community.</td>
</tr>
</tbody>
</table>

What is the most significant thing(s) you learned from the MIGS?

- I can improve my profit margin
- A good way to stockpile fescue and how to get the right amount
- Use different areas to graze
- Measuring and calculating forage-actual field calculation
- Plan to manage
- How to calculate what your farm can do and how to change it
- High efficiency of grazing vs. stored feed
- Stock piling compliments to MIG and hay
- Benefits of MIG
- How to calculate the necessary length of time per paddock
- Alternates to hay in winter
- Other fencing options
### Agronomy

Wayne Crook, agronomy specialist

**Private Pesticide Applicator Training**

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<tr>
<td>16</td>
<td>40</td>
<td>Pest identification</td>
<td>Renewed private pesticide applicators license</td>
<td>The proper and judicious use of all pesticides not only protects everyone’s environment, it also will help to protect the pesticide technology to prevent resistance buildup in the pest population. Proper and judicious use of pesticides will minimize pesticide use to provide control at a more economic level and in a timely manner. These factors are beneficial to both the producer and the community in that the producer can provide a more affordable and dependable food supply and contribute to the local economy and preserve the environment at the same time.</td>
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<td></td>
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<td>Economic thresholds and economic injury levels</td>
<td>Update information on new pesticides and their use.</td>
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<td>Importance of label and it is the law</td>
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<td>Protective clothing and safety equipment</td>
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<td>Environmental impacts</td>
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<td></td>
<td></td>
<td>Need and procedure for emergency plan</td>
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<tr>
<td>12</td>
<td>8</td>
<td>Disease identification. How a plant develops and grows. Plant identification - what species and varieties identification and suitability for the environment. Basics of plant health care, including soils, pruning, irrigation, and fertilization. Pest identification and management. Use of pesticides.</td>
<td>Participants were better able to identify pests and weeds and properly manage for them in a timelier and more environmentally friendly way.</td>
<td>Missouri communities and the people in them will have increased community pride. More Missourians will lead more active, fulfilled lives and will have improved mental and physical health, both through exercise and fresh vegetables and fruits to supplement their diet.</td>
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### Agronomy
**Wayne Crook, agronomy specialist**
**Missouri Crop Management**

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<td>463</td>
<td>380</td>
<td>Crop system management. Variety selection. Crop rotations and their benefits. Fertility management. Cover crops. Crop health. Management resources. Proper use of pesticides in crop management systems. Managing interactions between various crop production factors.</td>
<td>Made more informed decisions on inputs such as fertilizer, seed and chemicals. This not only improved the probability of a good production year but also reduced costs and protected the environment.</td>
<td>A vibrant and productive agricultural industry provides many benefits to the local community in terms of increased employment, purchases of supplies and services from local businesses. Their taxes support local schools and various governmental organizations. Judicious use of inputs such as fertilizer and pesticides also helps to protect the environment.</td>
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### Agronomy

**Wayne Crook, agronomy specialist**

**Plant Protection for the 21st Century**

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<td>19</td>
<td>28</td>
<td>Skills to adopt and integrate pest management into management systems. Current trends in pests and their management. Pest updates. Results from various monitoring programs for insects and weeds. Latest information on resistant weed species.</td>
<td>Through timely and proper management, producers were able to manage pests more effectively and economically with minimal impact on the environment.</td>
<td>Additional source of information to manage crop production. Increase IPM strategies and systems implementation to reduce pesticide use and environmental impact of pesticides. Protect pesticide technology through proper and judicious use of pesticides. More dependable and affordable food supply.</td>
</tr>
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*Sudden Death Syndrome Soybeans*
## Community Development

**Tracy Marlo-Daugherty, community development specialist**  
**Tri-County Summit: Getting to Know USDA Rural Development**

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<td>6</td>
<td>24</td>
<td>Participants learned about changes for USDA Rural Development following the new farm bill. Additionally, the broad range of grant and loan programs were shared about how to address participants’ unique situation.</td>
<td>Leaders reviewed the program opportunities and limitations with their respective boards of directors; Local elected officials coordinated with the regional planning commission for grant writing assistance.</td>
<td>Participants now have face-to-face contact with agents of USDA Rural Development, MU Extension and Green Hills Regional Planning Commission so that grants, loans, and local resources are better coordinated to address priorities such as wastewater, fire protection, and housing rehabilitation.</td>
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Community Development

Larry Dickerson, community development specialist; Tracy Marlo-Daugherty, community development specialist; Valerie Tate, agronomy specialist; Wendy Brumbaugh, family financial education specialist; Jane Hunter, human development specialist

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<td>10 Macon</td>
<td>210</td>
<td>This training is specifically designed to meet the needs of small towns and rural areas interested in increasing tourism revenue by capitalizing on their cultural heritage and the arts. The workshop was specially for people involved with tourism such as artisans, craftspeople, historians, architects, community activity coordinators and agri-business. The workshop also included people who are involved in community decision-making.</td>
<td>Participants developed action plans for the specific communities and organizations. The enthusiasm created during the workshop has resulted in Extension Specialists being contacted to help initiate activities and meetings. Tracy Marlo-Daugherty, community development specialist, is planning a tri-county conference.</td>
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<td>8 Linn</td>
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<td>3 Randolph</td>
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<td>1 Lewis</td>
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Representatives from Walt Disney Museum, Macon Downtown Association, Macon Historical Society, Art Museum at Central Methodist University in Fayette, Bethel Community, Huntsville Old Settlers, and Maples Repertory Theatre gave presentations about their events and efforts.
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<td><strong>16</strong> Master Gardeners</td>
<td><strong>947.5</strong> total hours: <strong>215</strong> education hours and <strong>732.5</strong> service hours which has a $16,517.88 using the 2013 value of $22.55 per hour from the Independent Sector.</td>
<td>Master Gardeners continually learn about horticultural pests like weeds, insects, diseases and disorders and the best control options available. They also learn integrated management strategies, new plan varieties, landscaping methods, lawn care tips, among other things about horticulture that they can apply when working with community horticulture projects and the gardening public.</td>
<td>The Master Gardeners continue to maintain the healing gardens at Samaritan Hospital in Macon where they weeded, watered, and mulched and care for the plants. They also worked on beautification projects at the Macon post office and local churches. Master Gardeners are also working with 4-H members enrolled in the horticulture project.</td>
<td>When you support MU Extension’s Master Gardener program public awareness of unbiased, research based gardening information is promoted and increased. The Macon County Master Gardeners assist in the community through beautification projects, and by helping to disseminate research based information to the gardening public.</td>
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Master Gardener dedicating the Healing Garden at Macon Samaritan Memorial Hospital.
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<td>25 Home Gardeners</td>
<td>Horticulture questions throughout 2014.</td>
<td>Citizens received a positive identification of an insect, plant disease or disorder, or a weed in their yard. They received pest control options to best fit their garden situation whether it be organic or conventional. Citizens also sought home horticulture assistance on various garden topics. Some citizens receive the Garden Talk newsletter.</td>
<td>Correctly having a pest identified allows homeowners to make better choices about pest control. Soil test reports allow home gardeners to properly amend their soil before planting vegetables, fruits or a new lawn. Information received on various horticulture topics allow home gardeners to be better able to grow a garden, grow fruit, landscape their yard, control insects and diseases among many other things.</td>
<td>By supporting MU Extension’s Home Horticulture program, citizens receive high quality horticulture information that is unbiased and research-based.</td>
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### Table: Spring Forward into Gardening Workshop

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<td>7 Home Gardeners</td>
<td>6 Workshop Hours</td>
<td>The workshop provided participants with information on growing fruit, gardening apps for tablets, gardening in the golden years, gardening to attract birds and butterflies, food gardening, landscaping tips, and much more.</td>
<td>Participants will use information learned when growing their own fruit and vegetable gardens, landscaping their yard and working on community among other things. “Great professional effort”. “It was a really fun, informative day!”</td>
<td>By supporting MU Extension’s Home Horticulture program, citizens receive high quality horticultural information that is unbiased and research-based.</td>
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<td>4 Commercial Producers/Market Gardeners</td>
<td>Jennifer Schutter and Darla Campbell made <strong>8 hours</strong> of farm visits in Macon County in 2014</td>
<td>Growers learned marketing strategies for selling their crops; insect and disease diagnostics; and the best culture methods for growing their crops. They also learned about the Spotted Wing Drosophila and how to make a trap to monitor for it to be better able to protect crops from its damage.</td>
<td>Macon County vegetable producers sell thousands of pounds of produce through various marketing outlets, such as farmers’ market, farm stands, grocery stores, restaurants, direct sales to consumers and wholesalers. Producers are better able to market their products and diagnose plant diseases and disorders, identify insects, and know the best method of control to apply to the crop because of the farm visits we make and the help and information they receive from us.</td>
<td>When you support University of Missouri Extension’s Missouri Grown program, growers are provided with unbiased and research-based information to make better decisions which will help them be successful with commercial production and marketing of their crops.</td>
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<td>University of Missouri Extension’s Family Nutrition Program (FNP) reached 669 participants directly and 152 indirectly with nutrition education in Macon County during 2014. A significant percentage of which were low income.</td>
<td>102</td>
<td>Youths from Preschool to 12th grade learned nutrition and health information in kid-friendly terms through lessons with hands on activities. These activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also includes nutrition, food safety, physical activity, and food resource management.</td>
<td>Nutrition Program Associates (NPA’s) go into schools and other grant eligible locations and interact with community members to help them make healthier choices and build healthy habits. They see the difference the program makes in people’s lives. Lisa May is the NPA who serves Macon County. For youths who participated in FNP, results summarized for the state revealed the following positive impacts: Two thousand, five hundred eight (2,508) teachers gave us feedback. 52 percent have participated in FNP for three or more years 98 percent (2,461 teachers) reported one or more changes in students after FNP.</td>
<td>The Family Nutrition Program (FNP) brought $8,872,444.71 in Federal funds to the state of Missouri. These funds were used to provide nutrition education to 1,047,203 food stamp recipients and food stamp eligible citizens of Missouri. 821 of these participants reside in Macon County. It funds one full-time job that serves two counties with quality benefits plus expenses for making the programming available to qualified schools and agencies in the 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 is important programming efforts serves to reduce healthcare costs over the participant’s lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.</td>
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### Nutrition and Health Education

Jim Meyer, nutrition and health education specialist  
**Food Preservation**

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<td>13</td>
<td>A local opportunity was offered for pressure gauge testing at the extension office in Macon. It lasted for four hours.</td>
<td>Participants had their dial pressure gauges checked for accuracy. They learned if their gauges were safe to use. MU extension guide sheets on food preservation were also distributed.</td>
<td>Participants replaced their gauges if they were found to be inaccurate.</td>
<td>MU Extension delivers food preservation lessons based on safe food handling research. The need is to protect food from contamination by pathogenic microorganisms, parasites, and naturally occurring toxins. This program helps prevent a foodborne illness outbreak which could result in unneeded healthcare costs and possible deaths.</td>
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| 3                              | The clinic was a 5-hour clinic for a total of 15 collective hours. | Participants learned:  
  - Basic care, feeding and show ring preparation of swine, goats, sheep and bottle calves and beef cattle.  
  - Participants reported they learned about water quality, deworming rotations, disease prevention and showmanship techniques.  
  - They also learned what judges look for while in the ring. | Participants of this class rotated between speakers to learn about nutrition, health, showmanship and received hands on training in care of their animals.  
  - **Thirty-five percent** of the participants reported they will train and work with their animal more as a result of this clinic.  
  - **Forty-seven percent** of the participants reported they feel more comfortable grooming their animal and feel more prepared to enter the show ring.  
  - **Thirty percent** of the participants reported they will change the way they feed and water their animals as a result of this clinic. | Youth exhibiting livestock are often future leaders in the livestock industry. Learning to properly care for their animals now, prepare them to be better stewards and in turn increases the quality of meat that goes into our food systems.  
  - This clinic gives youth the confidence they need to exhibit and care for livestock projects, as **ninety-six percent** of the participants reported they feel more comfortable with their animal after this clinic. |
## Artificial Insemination (AI Clinic)

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<td>2</td>
<td>30</td>
<td>This class is intended to give students the skills to implement an AI program into their existing beef herd.</td>
<td>Participants of this class gained classroom knowledge as well as hands-on experience with actual reproductive tracts and cattle.</td>
<td>Artificial insemination has been shown through research to be the fastest way to change genetics of a breed herd.</td>
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<td>Materials presented show students the reason they should be motivated to effect change in their beef herds giving them economic motivation to implement an AI program.</td>
<td>They were able to practice techniques learned in the classroom and ask questions to three on-site trainers.</td>
<td>Understanding the process and the actual physical application of materials has been the largest barrier to implement for many medium and small producers.</td>
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<td>Common misconceptions are addressed to evoke the attitude change necessary for successful herd improvement.</td>
<td>Forty-two percent of the participants stated they did not currently use AI on their farm, but after this class plan to implement it into their production practices.</td>
<td>This program gave the participants the skills and knowledge needed to start making greater strides in increasing production in their operation.</td>
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<td>The remaining fifty-seven percent already implement AI in their operation.</td>
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**Above: Participants receive hands-on training from field experts.**

*Artificial insemination has been shown through research to be the fastest way to change genetics of a breed herd.*
MU Extension FY2014
continuing education paragraph summaries

MTI—29 from Macon County
The Missouri Training Institute provides continuing education programs in business, custom-designed training programs, and business consulting services for business and industry, public and nonprofit organizations, and educational institutions. Training programs cover human resource management, supervision, management, leadership, team building, effective decision-making, dealing with generational differences and business writing. The institute’s consulting services cover human resources, strategic planning, board development and board retreats. In FY 2014, 14,174 people from all 114 Missouri counties enrolled in the institute’s 510 programs. For more information, visit mti.missouri.edu.

MU Conference Office—89 from Macon County
The MU Conference Office provides high-quality, professional, full-service meeting management for a variety of noncredit educational programs, such as conferences, workshops, seminars and symposia. Whether a meeting is hosted on campus, in out-state Missouri or anywhere in the world, the office’s professional staff provides assistance to create the best learning environment for participants. In FY2014, the conference office registered 13,484 Missourians for MU Extension conferences. Participants attended conferences for teacher education in math, science and writing; agricultural lending; plant science; and therapeutic recreation. For more information, visit muconf.missouri.edu.

Continuing Medical Education—8 from Macon County
The Office of Continuing Medical Education provides rural primary-care physicians with access to education as necessary for them to meet state licensure requirements, learn specialty medicine and for health education. Distance learning via the Missouri Telehealth Network provides access to weekly grand rounds from various School of Medicine departments. In FY 2014, more than 1,800 programs reached 27,322 health care professionals across the state and around the world.

FRTI—58 from Macon County
MU Extension’s Fire and Rescue Training Institute (FRTI) is charged with providing comprehensive continuing professional education and training to Missouri’s fire-service and emergency response personnel. The institute has a direct effect on the well-being and protection of Missouri’s 24,000 firefighters and the 5.9 million citizens they serve. In addition to preparing them to fight fires, courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation. In FY 2014, FRTI trained firefighters representing 113 of Missouri’s 114 counties for a total enrollment of 13,958 fire and emergency responders equating to almost 170,000 student instructional hours of training. For more information, see mufrti.org.
LETI—1 from Macon County
The MU Extension Law Enforcement Training Institute brings state-of-the-art, certified, professional training to law enforcement officers as well as continuing professional education to a wide spectrum of other criminal justice and public safety practitioners. Established in 1948, the institute has been the state’s recognized leader for more than 60 years in providing vital training and education services for Missouri’s 20,000 in-service and 3,000 police recruits annually. In FY2014 LETI conducted 75 programs with almost 64,000 contact hours of instruction. There were almost 800 students from 69 Missouri counties and over 500 from around the United States. For more information, visit leti.missouri.edu.

Nursing Outreach—21 from Macon County
Keeping Missouri nurses up-to-date with the knowledge and skills they need to effectively provide care is a primary goal for MU Nursing Outreach. Nursing Outreach provides high-quality, affordable continuing education programs using face-to-face and Web-based delivery methods, which helps them reach the 88 percent of their audience living in rural areas. Nurses from 85 (75 percent) of Missouri’s 114 counties and the city of St. Louis attended continuing education programs sponsored by MU Extension in FY2014.

Solo Nursing Outreach programs saw 1,889 participants, and another 944 nurses partook in co-sponsored multidisciplinary programs. Participants rated the overall quality of their continuing education experience at 1.3 on a 4-point scale, with 1 being the highest, and indicate they plan to change their clinical practices based on what they learned in Nursing Outreach programs.

Osher—0 from Macon County
The Osher Lifelong Learning Institute at the University of Missouri (Osher@Mizzou) is a membership organization for adults ages 50 and older to enjoy classes, teach, exchange ideas and travel together.

The program provides opportunities for intellectual development, cultural stimulation, personal growth and social interaction in an academic cooperative run by its members who volunteer their time and talents. The program focuses on classes developed and led by fellow members and faculty from the University of Missouri, Stephens College and Columbia College.
Visit these Web Sites to Learn More About University of Missouri Extension

University of Missouri /Lincoln University Extension
http://extension.missouri.edu

Publications
http://muextension.missouri.edu/xplor

Missouri Families
http://missourifamilies.org

Community Connection
www.communityconnection.org

The Missouri Career Information Hotline
http://missouribusiness.net/career

Missouri Watershed Information Network
http://www.mowin.org

Missouri Alternatives Center
http://agebb.missouri.edu/mac

Distance Education
http://cdis.missouri.edu

What is University of Missouri Extension?

University of Missouri Extension is the statewide educational outreach of the University of Missouri System, which has campuses in Columbia, Kansas City, Rolla, and St. Louis, and Lincoln University in Jefferson City. Through conferences, short courses, workshops, town meetings, and the mass media, University of Missouri Extension delivers the knowledge and resource base of Missouri’s land grant universities to citizens. Research-based information enhances Missouri’s economic viability, creates strong individuals, families and communities, and creates and sustains healthy environments. Extension specialists work in collaboration with personnel from state agencies and local organizations to draw together whatever resources may be needed to help citizens accomplish their goals. Macon County Extension is proud to extend these resources to the citizens of our county through the many programs described in the 2014 Annual Report.

University of Missouri Extension provides equal opportunity to all participants in extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age, disability, or status as a protected veteran.