University of Missouri Extension

Barton County
2013 Annual Report
Barton County Extension

Mail: 801 E. 12th
Lamar, MO 64759
Phone: 417-682-3579
Fax: 417-682-4125
Email: bartonco@missouri.edu
Web site: www.extension.missouri.edu/Barton

Office is Located in:
Wolf Center
801 E. 12th
Lamar, MO 64759

Office Hours:
Monday - Friday,
8 a.m. - 4:30 p.m.
2013 PROGRAM HIGHLIGHTS

Vice Provost and MU Extension Director letter  4
County Extension Council letter  5
Barton County and Regional staff  6
Barton County Extension Council  7

Agriculture
  Soils and Crops Conference  8
  Crop Scouting Program  9
  Wheat Tour  10
  Grain Bin Tour  11
  Private Pesticide Applicator Training  12
  Composting and Hay School  13

Business Development
  The Basics of Writing a Business Plan  14
  Local programs and activities  15

Community Development
  Community Health Needs Assessment  16
  Local programs and activities  17

Health and Nutrition
  Stay Strong Stay Healthy  18
  Jump Into Action  19
  Chronic Disease Self-Management  20
  Cooking Matters Program  21

4-H and Youth Development
  Making the Best Better  22
  Personal Development  23
  Project Excellence  24
  Leadership and Community Service  25
  Special Interest Groups and Projects  26
  Program Highlights  27

Family Nutrition Education
  Local impacts  28
  State impacts  29

Master Gardeners  30

Miscellaneous  31

Financial Statement  32
December 2013

Dear County Commissioners and Associated Friends of MU Extension:

As we enter 2014, we at University of Missouri Extension celebrate our 100-year partnership with you, with the State of Missouri and with the federal government. Through the Smith-Lever Act of 1914, the Cooperative Extension Service was established to provide practical application of research knowledge “to persons not attending or resident in said colleges in the several communities.” Over the years, the mission to bring you relevant, reliable and responsive education to improve lives and local economies remains the same. Yet, we also have changed to help you meet emerging issues and to take advantage of emerging opportunities.

Every day, MU Extension helps create value for citizens. For example:

Throughout the state, MU Extension provides information to help address issues and opportunities related to Missouri’s economic infrastructure, public services, economic development, jobs and educational access. Counseling more than 3,000 business clients in FY12 resulted in 9,328 new jobs, sales increases of $188 million, $213 million in new business financing, and government contracts of more than $195 million.

Our state and nation are in need of workers who are highly proficient in science, technology, engineering and math (STEM). Research has shown that 4-H members develop an increased interest in science three times higher than their non-peers. Both non-traditional activities, such as robotics, and more traditional activities, such as livestock judging and food preparation, are doorways to science-related careers.

Livestock production accounts for about 53 percent of the state’s agricultural receipts. MU Extension’s Tier Two Show-Me-Select Replacement Heifer Program, which improves reproductive efficiency of beef herds, has garnered producers $237 to $357 per heifer, depending on breeding protocol followed. Statewide economic impact of the program has exceeded $65 million.

These are just three examples of MU Extension’s impact – made possible through your support of MU Extension in your community. I look forward to our continuing partnership, and as always, your ideas for improving our partnership are welcome.

Sincerely,

Michael D. Ouart
Vice Provost and Director

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

EQUAL OPPORTUNITY/ADA INSTITUTIONS
Dear Barton County Commission and Community,

University of Missouri Extension strives to provide research-based information and education to improve the lives of the citizens of Missouri. This 2013 Annual Report provides an overview of the last year, including the programs and progress the Barton County Extension program has provided.

The citizens of Barton County have the opportunity for lifelong education and timely relevant information for better decision making through the programs and information provided by the Barton county office. With this information and their own energy and drive, the people of the county are able to grow and prosper as individuals, families, and community members.

MU Extension in Barton County has encouraged innovation and growth through five major program areas. Access to relevant research-based information is critical in today’s environment, where information abounds, but accuracy and rigor may not. Through classes offered throughout 2013, participants learned more about current agronomy and horticulture practices; nutrition, food preservation and the importance of exercise; information about starting and growing a business, community planning and development, leadership and youth development. For example, this year marked the 87th annual Soils and Crops conference in Barton County.

Through partnerships and collaboration, MU Extension in Barton County leverages the reach of programming efforts. Whether working in collaboration with primary and secondary schools, Barton County Memorial Hospital, or the Chamber of Commerce, relevant information and programs reach wide audiences in the county. Continuing to build on these and other partnerships maintains the reputation for innovation and leadership that MU Extension in Barton County has provided for citizens and stakeholders.

The University of Missouri Extension Council and local faculty and staff thank the Barton County Commission for the support and funding of education programs. The council remains committed to providing information and programming to help Barton county citizens grow as individuals and as a community through the local Barton County Extension office.

This year marked the 87th annual Soils and Crops conference in Barton County. This report is dedicated to all those who have served Barton County Extension in the past as we celebrate the 100-year anniversary of the signing of the Smith-Lever Act of 1914. This act officially created the national Cooperative Extension System. We look forward to providing transformational educational programming built on the work of those who served Barton County Extension in the past.

Submitted by:

Lee Howard
Council Chairman

Joyce Moser

Kathy Macomber
County Program Director
Barton County Staff

Kathy Macomber
Business Development Specialist

Lydia Kaume
Nutrition & Health Education Specialist

Jill Scheidt
Agronomy Specialist

Elaine Davis
Youth Program Assistant

Theresa Dalby
Nutrition Program Assistant

Denise Hodson
Secretary

Regional Staff Serving Barton County

Jeff Barber, Housing and Environmental Design, Greene County
David Burton, Civic Communication, Greene County
Patrick Byers, Horticulture, Greene County
Patrick Davis, Livestock Specialist, Cedar County
John Hobbs, Agriculture and Rural Development, McDonald County
Mark Jenner, Agriculture Business, Bates County
Janet LaFon, Family Financial Education, Jasper County
Robert McNary, 4-H Youth, Jasper County
Jodie Pennington, Small Ruminant, Newton County
Tony Rickard, Dairy, Barry County
Bob Schultheis, Natural Resource Engineer
Barton County Extension Council

Chairman
Lee Howard, elected member, term ends 2014

Vice Chairman
Dean McKibben, elected member, term ends 2015

Secretary
Joyce Moser, elected member, term ends 2015

Treasurer
Jesse Medlin, elected member, term ends 2014

Other Members:
Leisa Blanchard, elected member, term ends 2014
Mark Clements, elected member, term ends 2014
Lenids Davis, elected member, term ends 2014
Darrell Kentner, elected member, term ends 2014
Cinda Miller, elected member, term ends 2014
Belinda Shoff, elected member, term ends 2014
Paul Crabtree, elected member, term ends 2015
Dale Robertson, elected member, term ends 2015
Susan Roland, elected member, term ends 2015
Sondra Smith, elected member, term ends 2015
Barb Thrasher, elected member, term ends 2015
Charles Winslow, elected member, term ends 2015
Lynn Calton, appointed member from City of Lamar
Dennis Wilson, appointed member from Barton County Commission
Chad McCulloch, appointed member from Farm Bureau
Sherry Keith, appointed member from MFA
Trent Morgan, youth representative
Hannah Moyer, youth representative

Unique partnership
Barton County’s University of Missouri Extension County Council is a full partner with Missouri’s land-grant universities to deliver high-quality education and research-based information. This helps people solve real-world problems and take advantage of opportunities. Council members:

- Work with extension specialists to provide the county with quality educational programs;
- Manage finances of local extension operations;
- Provide personnel to carry out extension activities; and
- Elect and organize the local extension council.

Barton County Commissioners

Mike Davis
Presiding Commissioner

Dennis Wilson
District I Commissioner

Jeff Tucker
District II Commissioner
AGRICULTURE
In Barton County, agriculture drives the local economy and it continues to grow and prosper. Therefore, educational programs were developed to meet the high priority needs of both large and small scale farms in the agriculture sector by supplying them with information to increase profitability of their operations.

Soils & Crops Conference
The Soils and Crops Conference is a full day program that provides producers with relevant, research based information on concerns for next year’s crops. MU Extension specialists speak on topics relevant to the upcoming year to provide producers with the knowledge to better manage their crops for higher yields and lower costs. USDA, Missouri Soybean Association and Invest an Acre updates and important dates to remember are also announced at this program.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>275</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>Correct Measurements– producers learned there are differences within the same product according to the date it was produced; how to correctly pour chemicals into measuring devices, ect…</td>
</tr>
<tr>
<td></td>
<td>Nutrient Carryover– producers learned what nutrients may be left over from the previous crop due to drought conditions in 2012.</td>
</tr>
<tr>
<td></td>
<td>Importance of Scouting– producers learned why it is important to scout fields for pests and how the Crop Scouting Program can aid farmers when they are scouting their fields for pests.</td>
</tr>
<tr>
<td></td>
<td>Farm Bill– Don Lucietta, representative of Roy Blunt, gave an update of what was going on with the Farm Bill and what it could mean to producers.</td>
</tr>
<tr>
<td>How Did the Learners Benefit?</td>
<td>Producers will benefit from this program by implementing the knowledge they gained at the program in order to increase yields and lower costs. They will also benefit by learning about Integrated Pest Management and how it can increase yield and cut costs of pesticide applications.</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>Barton County will benefit because producers will learn and implement better management practices. This will reduce the amount of unsafe chemical applications, in turn having a cleaner effect on the environment.</td>
</tr>
</tbody>
</table>
**Crop Scouting Program**
The Crop Scouting Program alerts farmers of pests in the area as well as any environment concerns that might have an effect on the crops. Producers received this information in a 2-minute, automated voice message. They received the message weekly on Wednesday afternoons. In addition to the phone message, they received a written version via email with pictures of pests and concerns. Producers could also view the Barton County MU Extension website for the written report and photos.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>68</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>2176</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>Producers learned what pest to look for during what time of the season. They also learned how to identify the pest and where to look for it on the plant. They learned pest threshold levels, the best control option, what rate and what time of the season to apply these control measures. They also learned at what point in the season it was too late to apply a control measure.</td>
</tr>
<tr>
<td>How Did the Learners Benefit?</td>
<td>The producers benefitted from the program by learning how to “efficiently scout field” (quoted one customer). “The program helped our operation be proactive instead of reactive”, James Tucker, Crop Scouting Program participant. Many producers quoted by learning what threshold levels were they were able to determine whether or not to apply a pesticide, thus saving money and/or increasing yield. Andrew Hudspeth quoted “we saw a 10-15 bushel/acre increase in yield in a soybean field we sprayed with a fungicide (because of the Crop Scouting Programs reports of how the wet environment could increase disease development) compared to a soybean field we didn’t spray with a fungicide”</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>Barton County will benefit by the more efficient use of pesticides. Producer knowledge of when to apply pesticides as well as correct rates will lead to improved air and water quality. Producers will also save money by applying chemicals only when needed; therefore, allowing them to spend more money in the local economy.</td>
</tr>
</tbody>
</table>
Wheat Tour
The Wheat Tour allows producers to view University of Missouri’s wheat variety test trials while they are still in the field. MU Extension specialists and researchers who planted and will harvest the plots speak about what is happening in wheat the current and what producers might expect to see the remainder of the season. MU Variety Test Plots are located at the David Sheat farm east of Lamar on Highway A.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>130</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>260</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>Producers learned how to read variety testing results books and the economics of wheat straw. They learned how much nutrients are taken off the field when straw is removed and what that equates in dollars. They also learned the benefits and disadvantages of leaving the wheat residue on the field.</td>
</tr>
<tr>
<td>How Did the Learners Benefit?</td>
<td>Producers will be able to decided whether or not they want to continue their current practice of making wheat straw or leaving the residue on the field based on the benefits and disadvantages presented on both sides and whether that fits what they are trying to accomplish in their operation. Producers will also be able to select wheat varieties based on weather predictions for the upcoming year and what variety works best with their soil and farming operation. They will also be able to better interpret the results books and make variety planting decisions based off the results of the books.</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>Knowledge of wheat variety yields in the county will allow better selection of wheat varieties, which in turn, will improve yields and decrease pest pressure. Decreased pest pressure will lead to less pesticides be applied, or better management of pesticides applied, leading to a cleaner environment.</td>
</tr>
</tbody>
</table>
**Grain Bin Tour**

The Grain Bin Tour educates producers about different grain drying systems and lets them see these systems in person by visiting different farming operations where these grain bins are used. In 2013, producers visited the new grain bins at Seed and Farm in Liberal, Missouri; after the program producers were able to walk around and look at the bins.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>375</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>Producers learned about moisture equilibrium content in grain storage systems, safety considerations in grain storage and how to calculate what size of grain bin needs to built according to the size and productivity of each producers operation. Producers also received an update on Invest an Acre and how they can help their community by donating a portion of the profits from their yield.</td>
</tr>
<tr>
<td>How Did the Learners Benefit?</td>
<td>The producers will benefit by learning about how to more efficiently dry their grain after it is harvested. They will reduce accidents by increasing awareness of safety measures when working in and around grain bins. If producers are considering building a grain storage bin, they will be able to calculate what size bin is appropriate for their operation.</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>Safety in the workplaces that have grain bins will be increased to benefit Barton County. Producers will have the knowledge how to correctly dry grain, therefore reducing the amount of disease that would occur in and around the bins, thus providing cleaner air in the environment.</td>
</tr>
</tbody>
</table>
### Private Pesticide Applicator Training

The Private Pesticide Applicator Training Program involves the initial training and recertification of Missouri’s private pesticide applicators (ag producers). The need for training in the application of pesticides is of high importance due to both the legal requirements and a real need for technical knowledge. The MU private pesticide applicator program reaches into essentially each of Missouri’s 114 counties to train farmers on the safe and proper use of agricultural pesticides on their farmlands, including restricted-use pesticides (RUPs).

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>97</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>245</td>
</tr>
<tr>
<td><strong>What Did They Learn?</strong></td>
<td>Participants learned safe use of restricted–use pesticides and application equipment on their farmlands. Topics covered include:</td>
</tr>
<tr>
<td>– Pest identification</td>
<td></td>
</tr>
<tr>
<td>– Biological control</td>
<td></td>
</tr>
<tr>
<td>– Pesticide labels and how to use them</td>
<td></td>
</tr>
<tr>
<td>– Personal protective equipment</td>
<td></td>
</tr>
<tr>
<td>– Pesticide application impacts on the environment and especially bodies of water</td>
<td></td>
</tr>
<tr>
<td>– Emergency plans— their importance and procedures</td>
<td></td>
</tr>
<tr>
<td>– Pesticide storage</td>
<td></td>
</tr>
<tr>
<td>– Spill containment</td>
<td></td>
</tr>
<tr>
<td>– Sprayer calibration</td>
<td></td>
</tr>
<tr>
<td>– Record keeping</td>
<td></td>
</tr>
<tr>
<td><strong>How Did the Learners Benefit?</strong></td>
<td>Participants were able to obtain or renew their private pesticide applicator licenses (training required every 5 years).</td>
</tr>
<tr>
<td></td>
<td>They make better informed decisions about when and how to apply pesticides. Training stresses increased environment and personal safety.</td>
</tr>
<tr>
<td></td>
<td>They take time to read and apply products according to the label.</td>
</tr>
<tr>
<td><strong>How Did Barton County Benefit?</strong></td>
<td>Water quality protected.</td>
</tr>
<tr>
<td></td>
<td>Careful, responsible use of pesticides and other inputs.</td>
</tr>
<tr>
<td></td>
<td>Correct, science-based information diffused throughout the agriculture community.</td>
</tr>
<tr>
<td></td>
<td>Increased profitability in the agriculture economy has strong, positive impacts on Barton County and Missouri’s entire economy.</td>
</tr>
</tbody>
</table>
**Composting**
In October, Jill Scheidt presented a composting workshop at the 10th Street Community Farmer’s Market in Lamar. Vendors as well as some community members stopped in to listen to the presentation to learn how to make and maintain a composting bin at their own home. They also learned about the benefits of composting and how it can add to the soil health of landscaping and gardens.

**Hay School**
In April, Jill Scheidt put together the Barton County Regional Hay School. 23 participants attended the 3 week class. Topics presented were: economics of hay production, forage options, hay quality issues and testing, fertility management, wrapped balage management, hay storage, feeding to keep losses low, and nutritional needs of cows and horses. Participants learned when to harvest hay for the highest yield in nutrients for livestock, the cost of making hay, the most efficient hay feeder to use, construction tips on hay storage and the disadvantages and advantages of baleage were. Higher quality hay will result in higher quality and healthier livestock, saving the producer in production and management of livestock nutrition costs. Producers will also save money by correctly storing hay so minimum losses are sustained.
**Business Development**

MU Extension’s Business Development Program each year provides research-based education and technical assistance to Barton County business owners, and those thinking of starting a business, to help them improve the competitiveness and success of their businesses. Working with local businesses, LHS youth, the Barton County Chamber of Commerce, and Director of Economic Development for the county, the Business Development Program strives to improve business growth in Barton County.

**The Basics of Writing a Business Plan**

The Basics of Writing a Business Plan program participants created research-based market and competitor information and reasonable financial forecasts for their business concept, which leads to a higher likelihood of financing and business success.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>56</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>116</td>
</tr>
</tbody>
</table>

**What Did They Learn?**

Participants learned where to locate valid research and other resources to identify market, competitor, and customer information to strengthen their business idea. Participants learned the steps necessary to start a business and potential risks and rewards of business ownership. Attendees learned how to locate valid data to create financial forecasts for their business. Individual counseling with business owners addressed the specific issues in their business including tools and techniques to improve business performance with business start-up and management counseling, training, and other assistance.

**How Did the Learners Benefit?**

Learners benefited through information and tools to make informed decisions, which may improve business processes, expand the businesses and increase job growth. This will benefit Barton County by increasing successful business starts, job creation, and tax revenues.

First Steps: Starting a Business in Missouri program participants learned the steps necessary to start a business and understand the potential risks and rewards of business ownership.

**How Did Barton County Benefit?**

“The Basics of Writing a Business Plan” and “First Steps: Starting a Business in Missouri “ and individual counseling programs benefit Barton County by increasing successful business starts, job creation, tax revenues and preventing business failures.

Individual counseling with business owners addressed the specific issues in their business including tools and techniques to improve business performance with business start-up and management counseling, training, and other assistance.

Individual Barton County business owners report:

- Sales Increases: $20,000.00
- Business Start: 1
- Loans totaling: $20,000.00
- Assets acquired: $20,000.00
Barton County Business Expo
Planning began in January for the third annual Barton County Business Expo. This event was highly successful showcasing the businesses and organizations in the county. This event was co-sponsored by Barton County Extension, the Barton County Chamber of Commerce and the CDC. 142 local residents attended the Expo.

Trainings for Area Manufacturers
In conjunction with the Barton County CDC, Barton County Extension put on several trainings designed for area manufacturers: Resources for Manufacturers, which covered partial grant funding for manufacturing equipment acquisition. 90% of the 20 attendees reported they understood the material and would apply the concepts in their business. 100% of attendees reported they would recommend this training to others.

The second program was Energy Tips and Techniques for Business. 100% of attendees understood the concepts and 2 indicated they intended to follow up with the low interest loan and grant programs 100% of attendees indicated they would recommend this training to others.

Other Local Activities
In April, the LHS business class learned how to research and prepare financial projections for a business plan. Later in the month, some of the class submitted their business plans to the Chamber of Commerce business plan contest.

Extension was well represented at Earth Day at the Farmers’ Market with agronomy, FNEP, and business development represented at our booth.

MU Extension continues to serve on the Chamber Board of Directors and to provide facilitation at the Chamber/CDC joint meetings early in 2013.

Statewide
As entrepreneurs and innovators, Missouri’s small businesses are becoming a more diverse group that continues to make the state’s economy productive. In 2013, Missouri businesses reported the following achievements as a result of working with the MU Extension Business Development Program.

<table>
<thead>
<tr>
<th>Category</th>
<th>Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales Increase</td>
<td>$222,209,689</td>
</tr>
<tr>
<td>Total Capitalization</td>
<td>$194,194,820</td>
</tr>
<tr>
<td>Change in Staff FT &amp; PT</td>
<td>6351</td>
</tr>
<tr>
<td>Jobs Retained</td>
<td>3514</td>
</tr>
<tr>
<td>Number of Counseling Cases</td>
<td>8030</td>
</tr>
<tr>
<td>New Business Milestones</td>
<td>272</td>
</tr>
<tr>
<td>Number of Training Event Attendees</td>
<td>12394</td>
</tr>
<tr>
<td>PTAC Awards</td>
<td>$218,500,000</td>
</tr>
</tbody>
</table>
**COMMUNITY DEVELOPMENT**
Barton County Extension’s Community Development Program each year provides research-based education and technical assistance to Barton County non-profit organizations, local governments, and citizenry. Community development education and technical assistance helps citizens tap into local strengths and university resources. Participants in Community Development programs will improve their knowledge of available research-based data for decision making, improve communication and leadership skills. This leads to more invigorated communities with new candidates for leadership, and better data for use in decision-making and policy development. The benefit to the entire county is the new strengths, leadership, and better-decision making to improve economic vitality in the county and the quality of life for Barton County citizens.

**Community Health Needs Assessment**
In collaboration with Barton County Memorial Hospital and the Barton County Health Department, Barton County Extension Community development assisted in the development and delivery of an on-line community health needs survey. During multiple meetings and phone calls, the group developed the survey which was administered on-line and on paper. The analysis of the 350+ survey provided research-based data to improve decision making by these local healthcare providers.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>25</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>Team members worked together to develop a community health assessment survey. Participants learned the steps necessary to develop appropriate survey questions. The team collaborated to develop methods to distribute the survey through multiple methods including, newspaper, social media, and through flyers distributed by the city.</td>
</tr>
<tr>
<td>How Did they Learners Benefit?</td>
<td>Survey results provided research-based data to inform decisions by the Barton County Memorial Hospital and the Barton County Health Department. Having local survey results provided information on what is important to county residents in the local healthcare delivery system. It also provided information on what services are currently available in Barton County, but that all residents are not aware of. This information will shape communications to local residents by healthcare providers.</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>The analyzed survey results will results in better decision-making related to citizen needs and wants in the local hospital and health department. Improved communications of healthcare services available locally will help Barton County citizens make better-informed healthcare decisions. The decisions may result in savings of time and travel as citizens fully utilize the services available in Barton County. Increased use of Barton County Memorial Hospital and Barton County Health Department services may have a positive economic impact on the county.</td>
</tr>
</tbody>
</table>
Organizational Development for Nonprofits
This program helps Missouri’s small nonprofit organizations, which are in many ways the backbone of civic life in our communities.

Working on and with the Barton County Chamber of Commerce Board of Directors
Let a Strategic Planning Session for Barton Co Chamber during the Board Retreat

Leadership Development
EXCEL is a process, not a pre-packaged program. What distinguishes EXCEL programs from other approaches to leadership development is the program's flexibility and its focus on local control, inclusiveness and the future of community governance. Communities investing in an EXCEL program see new and younger people running for public office, more involvement in community activities and organizations, improved community appearance, and better functioning boards and commissions.

EXCEL planning for 2014 continues include involvement of the Barton County Chamber of Commerce Staff and the Barton County CDC Economic Development director and 6 others on the planning committee.

Community Emergency Management Program
CEMP provides education and technical assistance to individuals and families, local governments, businesses, schools and organizations in preparing and responding to natural and man-made disasters.

Disaster can affect every aspect of a community, as well as our state and nation. Disasters also impact University of Missouri Extension offices, employees and programs.

Regardless of size or impact, all disasters are local events, and thus it falls upon the local community and nongovernmental organizations to manage events when they occur. MU Extension is a key resource for the public, emergency services and public officials because of the unique relationship it maintains with each community. CEMP is a central point for MU Extension emergency management functions, including mitigation programs, preparedness activities and recovery issues.

LEPC attendance at meetings

Community Planning
Groups, organizations and communities develop a vision, identify priorities, develop an action agenda, and successfully develop and implement programs and projects.

Community Health Needs Assessment Survey and analysis
Farmers Market vendor meeting
Affordable Health Care program

Community Decision Support
Using a variety of tools, Community Decision Support enhances local capacity to make sound policy choices. Tools include economic models, demographic analysis, Geographical Information System (GIS) mapping, and fiscal impact tools.

Data tools to support community decisions:
- CARES — Center for Applied Research and Environmental Systems
- CIM — Community Issues Management
- CPAC — Community Policy Analysis Center
- OSEDA — Office of Social and Economic Data Analysis
- PPRC — Public Policy Research Center
HEALTH AND NUTRITION

Health and nutrition education programming is aimed at providing evidence based information and skills that help individuals and families to make healthy choices in the area of nutrition, physical fitness, disease management and overall health. University of Missouri Extension is committed to promoting and maintaining the lifelong health of all Missourians.

Stay Strong Stay Healthy

Description of program: "Stay Strong, Stay Healthy," is a 10-week exercise program designed for men and women over age 40. The "Stay Strong, Stay Healthy" program was developed by Tufts University and is designed to help middle-aged and older adults improve strength, flexibility, and balance.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>400</td>
</tr>
<tr>
<td>What Did They Learn?</td>
<td>1 hour twice a week for 10 weeks they completed a series of eight strength training exercises plus warm-up and cool down, and balance and flexibility exercises. Balance and flexibility are measured before and after the series.</td>
</tr>
<tr>
<td>How Did the Learners Benefit?</td>
<td>Participants stated that the program had the following impacts: &quot;...Balance and pain level&quot; &quot;...Exercise more and improved mood meeting different people&quot; &quot;...Increased motivation to strength train &quot; &quot;...doing the exercise has improved my physical and mental well-being &quot;balance much better, stronger and more flexible&quot; 100% of participants stated they felt healthier, stronger and had more energy as a result of this program.</td>
</tr>
<tr>
<td>How Did Barton County Benefit?</td>
<td>Barton County got healthier adults, able to get around and do more for their themselves , their families and community The county has individuals, trained on how to strength train safely in their homes to avoid injuries. Capacity building for county residents to enhance choice of healthy lifestyles</td>
</tr>
</tbody>
</table>
### Jump Into Action
A team-taught, school-based program to help fifth-grade students make healthy food choices and be more physically active. Jump Into Action was developed, tested and evaluated by a team at Baylor College of Medicine. It was found to be effective in improving nutrition and physical activity related behaviors. A team at the University of Missouri Department of Nutrition and Exercise Physiology updated and adapted Jump Into Action for Missouri. Liberal Elementary school adopted this program and have received resources and support from the University of Missouri Extension. The school received pedometers, student activity books, teachers’ guides and other helpful resources.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>1920</td>
</tr>
</tbody>
</table>

**What Did They Learn?**
- Students in *Jump Into Action* learn
  - How fast they are growing now and about the food choices that can help them.
  - They set goals to drink more milk and fewer sodas and other sweetened drinks.
  - They learn that fitting in five or more servings of fruit and vegetables helps them hit their fiber target.
  - They read nutrition facts and ingredient lists on food labels to make informed food choices.
  - They learn about the connection between physical activity and healthy weight.
  - They use pedometers to see how active they are.
  - They learn to trade screen time for 60 minutes of physical activity every day.

**How Did the Learners Benefit?**
- Increased knowledge of healthy behaviors
- Increased confidence in making healthy choices
- Increased in physical activity
- Kids learn to decrease time spent watching TV or playing video games
- Kids learn to decrease consumption of sugar-added drinks
- Continuation of healthy food choices — fruits, vegetables and milk
- Learners received pedometers and

**How Did Barton County Benefit?**
- Barton County is growing a healthier generation of people that can understand cause and effect relationships of choices they make. These young residents are making independent decisions about food choices and physical activity habits
- Capacity building for county residents to enhance knowledge and skills to ensure better choices as young children adopt healthy lifestyles
- School received the following resources: pedometers, student activity books, teachers’ guide, instructional materials, parent newsletters, assessment and evaluation tools, classroom activity cards.
Chronic Disease Self-Management
This Health Management program consists of a six-week workshop for adults living with a chronic condition and their family members. Classes are highly participative, where mutual support and success builds confidence in participants’ ability to manage their health while maintaining active & fulfilling lives. The program is helpful to individuals with Heart Disease, Arthritis, Diabetes, Asthma, Bronchitis, Emphysema, and many other chronic problems. Developed by Stanford University by the Patient Education Research Center. This program was offered in collaboration with Health educators and leaders of from the Barton County Memorial Hospital and the Barton County Health Department. Sponsored by Missouri Foundation for Health and Barton County Memorial Hospital.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>78</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>1170</td>
</tr>
</tbody>
</table>

**What Did They Learn?**
- Identified and learned the latest pain management approaches
- Learned how to plan ahead for the future
- Learned how to use 13 tools identified in their self-management tool box to break the symptom cycle regardless of chronic condition
- Learned new ways to communicate with family and friends
- Learned how to form a partnerships their health-care team
- Learned the different types of exercises and how to exercise safely at home
- Learned how role of exercise and nutrition in chronic disease management

**How Did the Learners Benefit?**
- Improved their knowledge of living a healthy life with a chronic condition
- Learned to manage fatigue and stress more effectively
- Discussed and problem solved to find solutions to problems caused by their condition
- Identified ways to deal with anger, fear, frustration, depression
- Discussed the role of exercise and nutrition in chronic disease management
- Participants received a book titled, “Living a Healthy Life with Chronic Conditions to use and share the knowledge with friends and family.”

**How Did Barton County Benefit?**
- Healthier residents able to self-manage their chronic conditions
- Better partnerships between health-care practitioners and residents as
- Reduced impact of chronic disease in the County. Individuals were able to participate in the community and do more for their families, their families
- More physically active members of the county
- Nationally this program has been shown to significantly reduce the number of emergency room visits
**Cooking Matters Program**

A Program offered through partnership with Share Our Strength and Operation Food Search that is designed for families with limited resources. Cooking Matters is a six session course that combines hands-on cooking experience with nutrition education. Participants take home the ingredients for one recipe to make at home after each class.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>67</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>804</td>
</tr>
</tbody>
</table>

**What Did They Learn?**

- Nutrition Education based on the 2011 dietary guidelines for Americans
- Meal planning, Food safety & preservation
- Learned skills and techniques to prepare new healthy recipes and how to incorporate them in their meals
- When to buy throughout the year to get cheaper prices/shopping skills
- How to use a nutrition food label to check the unit prices for the best deal
- Fresh, frozen, or canned veggies or fruit, are all good for you and contribute to total intake of fruit and veggies.

When asked: How has this course affected your life? Participants stated the following:

"I am a little more aware of what kind of health choices I need to make"

"It’s gotten me to get my kids to eat a little healthier and I learned not to use as much salt"

"The importance of nutrition labels when shopping for healthy foods"

"I care more about my family’s health decisions. I have always been health-conscious, but I never adjusted our meals to reflect that until now. I know so many more recipes!"

**How Did the Learners Benefit?**

- FREE groceries for some of the lesson’s recipe to prepare the recipe at home.
- Lessons featured hands-on learning and included group discussion with instructors.
- Learners received a graduation certificate, recipe book with 65 recipes and other freebies provided upon completion of the program.
- Learners prepared recipes and ate a group

**How Did Barton County Benefit?**

- County residents that are able to budget better hence stretch your food dollars and maximize your resources
- Nutrition information to keep Barton County families healthy
- Residents that have skills and techniques to prepare healthy delicious meals
4-H YOUTH DEVELOPMENT
Barton County 4-H is a community of youth building life skills, engaging in science and building partnerships through community service. The mission of 4-H is to provide meaningful opportunities for youth and adults to work together to create sustainable community change.

Making The Best Better

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>172 members enrolled in 9 clubs led by 73 volunteers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>1500 + hours through 860 4-H projects areas</td>
</tr>
</tbody>
</table>
| What Did They Learn? | • Life Skills  
• Personal Development  
• Project Development  
• Six Pillars of Character: Respect, Responsibility Caring Citizenship, Trustworthiness, Fairness  
• Leadership Development  
• Community Service |
| How Did the Learners Benefit? | • 4-H youth set goals and seize opportunities to learn through personal growth and project completion.  
• Barton County 4-H provides specialty clubs, of Horsemanship, Shooting Sports and Leadership.  
• 4-H youth “Learning by Doing” through interactive activities, real life experiences, and communication groups on county regional, state and national levels.  
• 4-H experiences increase confidence and provide self assurance through decision making skills. |
| How Did Barton County Benefit? | One of every five Missourians between the ages of 5 and 18 participated in a MU Extension 4-H Youth Development program in 2013. Research provides data results:  
• these students are more likely to go to college and enjoy.  
• Increased financial success for themselves and their offspring.  
• be better consumers  
• improve quality of life through more opportunities for leisure and hobbies. improve health for themselves and their children.  
• more likely to contribute to their community |
**Personal Development**

Barton County 4-H offers youth the opportunity to learn and experience personal growth. 4-H youth learn through interactive activities, real life experiences, and communication groups. 4-H events include Barton County Teen Leaders hosted 4th annual Clover Kids Day camp at the Wolf Center. Barton County Livestock Judging Day, Barton County Achievement Day and Regional Achievement Day. The “4-H Learning by Doing” process offers youth the ability to learn and use practical life skills as they grow through personal development.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>114</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>563</td>
</tr>
</tbody>
</table>
| What Did They Learn? | 4-H members have the opportunity:  
- To set goals for project completion  
- Use organizational and planning skills  
- Selection of project materials  
- Interaction with other youth  
- Develop Communication and technology skills |
| How Did the Learners Benefit? | 4-H youth benefit:  
- By increased knowledge in selected project areas  
- Improvement of judging and evaluation skills  
- Through demonstrations, public speaking and presentation of oral reasons.  
- By practicing decision making skills as youth advance in project areas. |
| How Did Barton County Benefit? | 4-H members will share knowledge learned with other club members. The life skills offered through 4-H project work are carried into community organizations as youth take additional roles in future projects. |
**Project Excellence**
The 54th Annual 2013 4-H Recognition Banquet presented 4-H members awards from Mo 4-H Project Report forms. 4-H County, State, Regional and National levels of excellence were reached by 4-H youth from Barton County. 4-H clubs met their goal of achievement through project exhibition. The 2013 exhibition of 4-H project work included exhibits to the Missouri State Fair, Ozark Empire Fair and Lamar Fair.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>156</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>1000 + hours</td>
</tr>
</tbody>
</table>

**What Did They Learn?**
- Citizenship, Healthy Living, Science
- Project area skills through various levels
- Time management on projects completion.
- Selection of project materials
- Develop presentations, communication, and technology skills

**How Did the Learners Benefit?**
- By increased knowledge in 4-H project areas
- Through demonstrations, public speaking and presentation of oral reasons.
- Youth adult/partnership through 4-H project meeting.
- Monetary compensation for project placement and completion.

**How Did Barton County Benefit?**
4-H members will share knowledge learned with other club members. The life skills offered through 4-H project work are carried into community organizations as youth take additional roles in future projects.
**Leadership and Community Service**

The Barton County 4-H MOHOCOLA “Missouri 4-H Community Leader” Core Team defined a need in the community centered around poverty. The team completed food drives, built Community Gardens in two locations, helped with cooking classes and promoted the “Invest an Acre” project.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>104</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Educational Hours</td>
<td>500+</td>
</tr>
</tbody>
</table>

**What Did They Learn?**

- Civic engagement
- Community Service
- Civic Education
- Leadership

**How Did the Learners Benefit?**

- 4-H youth benefit:
  - By providing a voice and advocacy for self and community
  - Providing community learning and service projects
  - Learning government principles and structure
  - Demonstrate respect, understanding, and character development

**How Did Barton County Benefit?**

4-H members will engage with the community by building relationships with both youth and adult form diverse backgrounds. The grant funds acquired by this program have gone directly into community projects that benefit locally.

The MOHOCOLA Leadership team received placed 1st place in category 5 (populations under 10,000) at the Missouri Community Betterment Conference.
### Special Interest Groups and Projects

Short term educational experiences were presented to youth who received the opportunity to experience life skill learning in nontraditional 4-H club settings.

“These special interest groups were organized at Lamar Head Start, Lamar East Elementary and Lamar High School student participated in several small term projects that included Hatching Chicks in the Classroom, Building personal leadership skills, Youth entrepreneurship, Leadership for life, Communication toolkit, and independent study.

<table>
<thead>
<tr>
<th><strong>Number of Learners</strong></th>
<th>130</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Educational Hours</strong></td>
<td>272</td>
</tr>
<tr>
<td><strong>What Did They Learn?</strong></td>
<td>4-H members have the opportunity to learn • Character Counts • Embryology • Healthy Lifestyles • Leadership</td>
</tr>
<tr>
<td><strong>How Did the Learners Benefit?</strong></td>
<td>4-H youth benefit: • Six pillars of character, Responsibility, Caring, Respect, Trustworthiness, Fairness, and Citizenship. • Classroom observation of the live hatching of the chick in the egg • Interactive activities on nutrition, physical fitness, and emotional well-being • Working on a group project, being a part of a team, building partnerships</td>
</tr>
<tr>
<td><strong>How Did Barton County Benefit?</strong></td>
<td>4-H Youth development project formed a partnership with Lamar High School F.C.C.L.A. and the Barton County Adult E.X.C.E.L (Experience in Community Enterprise and Leadership Development) program. The funding for this club was provided by the City of Lamar.</td>
</tr>
</tbody>
</table>
2013 Barton County 4-H Highlights

National 4-H Congress Recipients - Tony Morgan, Hannah Moyer

MOHOCOLA “MO 4-H Homegrown Community Leaders Project”
receives 1st place for 3rd Consecutive year at Missouri Community Betterment Conference.

State 4-H Livestock judging Team 1st place Junior Division
Team members: Matthew Morgan, Lauren Morgan, Brandon Overman, Halle Miller

Missouri 4-H Foundation 4-H Hall of Fame Inductee - Dennis Wilson

4-H volunteer Service Awards:
Linda Madison, 25 years Sondra Smith, 20 Years

Outstanding 4-H Members:
1st Year Member
Elise James, Learn-A-Do 4-H and Mason Brown, Learn-A-Do 4-H

2nd Year Member
Lexi Phipps, City Clovers 4-H and Connor Trout, Shiloh 4-H

3rd Year Member 13 & under
Kaitlyn Davis, City Clovers 4-H Halle Miller, Learn-A-Do 4-H
Connor Brown, Learn-A-4-H Noah Shaw, City Clovers 4-H

Outstanding 3rd Year Member 14 & over
Hannah Moyer, Learn-A-Do Tony Morgan, Learn-A-Do 4-H

Barton County 4-H Outstanding Officers:
President - Kenna Roland, Barton County Teen Leaders
Vice President - Tony Morgan, Learn-A-Do 4-H
Secretary - Cade Moreno, Shiloh 4-H
Treasurer - Hannah Moyer, Learn-A-Do 4-H
Reporter - Noah Endicott, Shiloh 4-H
Historian - Connor Trout, Shiloh 4-H

4-H Key Award Recipients:
Tony Morgan, Hannah Moyer, Kenna Roland, Casey Perry, Lydia Proctor

I Dare You Award Recipients:
Tony Morgan, Clara Proctor, Trent Morgan

4-H Scholarship Recipients:
Hugh Nutt 4-H Scholarship – Tai Thrasher, Jacob Russell, Jade Morgan
Rebecca Hazard 4-H Memorial Scholarship - Tai Thrasher
Rick Mammen Memorial Scholarship - Tai Thrasher
Rick Mammen Memorial Alumni Scholarship - Lynzee Flores
Vicki Rush Memorial Alumni Scholarship - Lynzee Flores, Ciara Shoff
Helen Stettler Memorial Alumni Scholarship - Ciara Shoff

UNIVERSITY OF MISSOURI
Extension
FAMILY NUTRITION EDUCATION
University of Missouri Extension Family Nutrition Education Programs (FNEP) reached 6,347 low-income participants with nutrition education in Barton county during 2013. FNEP provides information on nutrition, food safety, and physical activity for lifelong health and fitness.

Nutrition education for youths provides information in kid-friendly terms and lessons with hands-on activities. Activities include opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults includes nutrition, food safety, physical activity, and food resource management.

During 2013, 1,578 youths and 4,769 adults were served through schools, community groups and agencies. The following is a list of the Barton County locations where participants were served:

<table>
<thead>
<tr>
<th>OTHER AGENCIES</th>
<th>SCHOOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamar Head Start</td>
<td>Liberal Elementary</td>
</tr>
<tr>
<td>Lamar Good Samaritan Food Pantry</td>
<td>Golden City Elementary</td>
</tr>
<tr>
<td>Joplin Family Y - South</td>
<td>Liberal Middle School</td>
</tr>
<tr>
<td>Barton County Health Department</td>
<td>Lamar East Primary</td>
</tr>
<tr>
<td>Barton County Food Stamp Office</td>
<td></td>
</tr>
<tr>
<td>Region X Agency on Aging</td>
<td></td>
</tr>
<tr>
<td>Nathan’s Place</td>
<td></td>
</tr>
<tr>
<td>AOK (About our Kids)</td>
<td></td>
</tr>
<tr>
<td>Lamar Enterprise</td>
<td></td>
</tr>
<tr>
<td>Golden City Head Start</td>
<td></td>
</tr>
</tbody>
</table>

Evaluation data collected across the entire state reflects the positive impacts that occur in every county with FNEP. Within FNEP are two key programs, each with its own system for evaluating impact: the Family Nutrition Program (FNP) and the Expanded Food and Nutrition Education Program (EFNEP).

<table>
<thead>
<tr>
<th>STUDENT CHANGES REPORTED BY TEACHERS</th>
<th>PERCENT OF TEACHERS WHO OBSERVED EACH TYPE OF STUDENT CHANGE</th>
<th>PERCENT OF TEACHERS WHOSE STUDENTS TALKED ABOUT THIS CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>More aware of nutrition</td>
<td>91%</td>
<td>91%</td>
</tr>
<tr>
<td>Make healthier meal and/or snack choices</td>
<td>68%</td>
<td>81%</td>
</tr>
<tr>
<td>Eat breakfast more often</td>
<td>49%</td>
<td>56%</td>
</tr>
<tr>
<td>More willing to try new foods</td>
<td>82%</td>
<td>80%</td>
</tr>
<tr>
<td>Improved hand washing</td>
<td>82%</td>
<td>79%</td>
</tr>
<tr>
<td>Improved food safety other than hand washing</td>
<td>37%</td>
<td>43%</td>
</tr>
<tr>
<td>Increased physical activity</td>
<td>65%</td>
<td>70%</td>
</tr>
</tbody>
</table>
Adults who participated in FNP also made significant improvements in each area addressed.

<table>
<thead>
<tr>
<th>Dietary Quality and Physical Activity</th>
<th>Percent of respondents reporting improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Think about healthy food choices when deciding what to feed your family</td>
<td>58%</td>
</tr>
<tr>
<td>Use the “Nutrition Facts” label to make food choices</td>
<td>70%</td>
</tr>
<tr>
<td>Consume something within 2 hours of waking</td>
<td>46%</td>
</tr>
<tr>
<td>Consume the equivalent of 3 cups of milk, yogurt, and cheese each day</td>
<td>59%</td>
</tr>
<tr>
<td>Eat more than one kind of vegetable each day</td>
<td>56%</td>
</tr>
<tr>
<td>Eat more than one kind of fruit each day</td>
<td>61%</td>
</tr>
<tr>
<td>Exercise for a total of 30 minutes each day</td>
<td>51%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Food Safety</th>
<th>Percent of respondents reporting improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Let meat and dairy foods sit out for more than 2 hours</td>
<td>41%</td>
</tr>
<tr>
<td>Thaw frozen foods at room temperature</td>
<td>60%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Food Resource Management</th>
<th>Percent of respondents reporting improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan meals ahead of time</td>
<td>65%</td>
</tr>
<tr>
<td>Compare prices before bought food</td>
<td>55%</td>
</tr>
<tr>
<td>Shop with a grocery list</td>
<td>60%</td>
</tr>
</tbody>
</table>

Theresa Dalby, Nutrition Program Associate, housed in Barton recounts the following success story. “During my programing at our local food pantry, I displayed soda pop bottles that contained the amounts of sugar found in those drinks. When the clients saw the amounts of sugar they were amazed. Many of them had no idea that there was that much sugar in those drinks. Several people said that they were going to make their own displays at home to show to their children to encourage them to choose healthier drinks. People tell me that they are still making healthier beverage choices when they see me at the food pantry. I'm excited to know that we are making a difference!”
**MASTER GARDENERS**

The Master Gardener Program provides in-depth horticulture training to individuals throughout Missouri who volunteer their time applying what they have learned about gardening to help others in their community. To become trained as a Master Gardener, an individual attends a 30 hour core training course. Then the Master Gardener trainee participates in 30 hours of volunteer service in approved MU Extension activities. In 2013, Barton County Master Gardeners joined the newly formed State Master Gardeners Organization; they are also a member of MOMG (Missouri Master Gardeners Association). Mary Kuhn, Barton Master Gardener, is the vice-president of MOMGA.

<table>
<thead>
<tr>
<th>Number of Learners</th>
<th>23 active members</th>
</tr>
</thead>
</table>
| Total Educational Hours | 260 Service Hours  
76 Education Hours  
8 Advanced Training Hours  
1,165 Persons Contacted through Barton County Master Gardeners |
| What Did They Learn? | Master Gardeners learn how to take care of plants, identify pests such as diseases, insects and weeds; they also learn how to maintain a landscape.  
Volunteer landscaping– Master Gardeners use their skills to upkeep MU Extension office landscaping, Senior Center landscaping, Lamar Park– Demo Garden. Upkeep of pots on the Lamar Square and beds at the Moore Pavilion.  
Farmers Market– Master Gardeners used their skills to become vendors at the local Farmer’s Market to sell produce as well as plants. |
| How Did the Learners Benefit? | Master Gardeners benefit by using their knowledge to grown their own produce and using their skills to create more ascetically pleasing landscaping. They are also able to use their skills as Master Gardeners to diagnose and treat pests as needed. |
| How Did Barton County Benefit? | Master Gardeners are able to share their skills throughout the county to teach others how to grow their own produce, increasing distribution of locally grown produce. The ascetic value of many different sites in the community is improved from the upkeep and addition of landscaping throughout the community. This improves the view of the community and the mood of the citizens in it.  
1,165 persons in the community were contacted through Barton County Master Gardeners. |
Barton County Extension and Missouri Southern State University joined resources to offer off-site opportunities for college students to have class exams administered by the local staff. Twenty-four exams were proctored in 2013.

During 2013, 81 Barton County citizens participated in Continuing Education through MU Extension’s Fire & Rescue Training Institute, MU Nursing Outreach and the MU Conference Office. MU Extension creates and develops these opportunities in partnership with other organizations and working independently to provide high-quality, professional non-credit educational programs and workshops.

Doyle Robinson and Lendi Davis were the recipients of the 2013 Leaders Honor Roll for their work with the Tenth Street Farmers Market.

Matt and Liz Davis along with their children represented Barton County as the 2013 Missouri State Farm Family.

224 soil samples were sent to the University of Missouri Soil Testing Laboratory for analysis. A current soil test helps farmers determine the best fertilizer and amounts of applicant which leads to cost effectiveness.

Identification of plant diseases and insects are important for producers when deciding the correct herbicide or fungicide. Six plant and insect samples were sent in for identification.

A new roof was put on the Wolf Center, home of Barton County Extension, in 2013.
University of Missouri Extension programs in Barton County are funded by Barton County, state and federal appropriations. Local funding for support of the Barton County Extension Center is provided by the Barton County Commission. They provide office space, funds for office expenses, clerical salaries and travel expenses of extension specialists who conduct educational programs in Barton County.

A special acknowledgement and appreciation is given to the Barton County Commission for financial assistance.

University of Missouri provides salaries and benefits for three professional and two educational assistants, all headquartered in Barton County.

The University provides in-service training expenses, including travel and lodging for staff, postage for staff communications and matching funds for technology equipment.

### Financial Statement

**BEGINNING BALANCE** $30,409.76

**REVENUE**

- County Appropriations $77,828.04
- Postage $2,391.00
- Soil & Plant Testing Fees $3,366.85
- Items for Resale $844.50
- Ag Student Fees $3,253.10
- Business Student Fees $837.75
- Nutrition & Health Student Fees $470.00
- Grants $5,426.94
- Program Sponsors $600.00
- Master Gardener Plant Sale $619.75
- Printing $1,055.04
- Interest Income (Checking Acct.) $2.80

**TOTAL REVENUE** $96,832.24

**EXPENSES**

- Salaries $45,128.81
- Staff Benefits $2,352.77
- Travel $7,154.64
- Postage $2,595.58
- Telephone $3,693.92
- Advertising $830.88
- Rent/Utilities $8,712.20
- Supplies and Service $10,300.54
- Surety Bond/Insurance $1,928.50
- Miscellaneous $1,798.75
- Soil Lab Testing charges $1,909.50
- Resale Items $594.00
- Repair/Maintenance $1,325.00
- Fee Generation Distribution $1,309.23
- Capital Repairs $3,045.36
- Furniture/Equipment $65.00
- Banking fee $8.00

**TOTAL LIABILITIES** $92,752.68

**CLOSING BALANCE** $34,489.32

**Certificate of Deposit Balance** $11,137.23

**Building Savings** $19,761.69