



University  
of Missouri  
Extension

Pike County  
2014  
Annual  
Report

RETURN ON INVESTMENT

UNIVERSITY OF MISSOURI  
 Extension



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"MU: An equal opportunity/ADA institution"

January 2015

Pike County Commission  
Courthouse  
Bowling Green MO 63334

Dear Commissioners:

First of all, thank you for all you do for the people of Pike County and for Pike County Extension. When you support University of Missouri Extension, Pike County benefits!

- 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. They also learn to use their talents to engage in their communities.
- The Farm Bill Education program helps producers stay in business – the business of feeding Missourians, feeding the United States, and feeding the world.
- The Beef Ultrasound Program increases the profitability of the producer when the data is utilized in the sale of animals. In turn, creating a larger spendable income for the producer to spend in the county and state.
- Current and future generations benefit when research proven best practices in agronomy are used and result in improved productivity and reduced negative environmental impacts.
- If parents and youth alike learn healthy snack choices, it can reduce the amount of obesity as well as create a healthier population.
- Focus on Kids benefits the community by teaching parents that co-parenting their children after divorce is not only important for the success of their children, it is important to reduce education, special services, and juvenile and adult legal system costs for Pike County.



Extension Council Secretary



County Council Chair



Program Director

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

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# Agronomy and Horticulture Education in Pike County

- Private Pesticide Training
- Private Consultations

Agronomy and  
Horticulture Specialist  
Max Glover



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
<p>Twenty producers from Pike County watched the Private Pesticide Applicator Training video during the year.</p>	<p>The video is 2.5 hours in length. Producers must renew their license every five years.</p>	<p>Participants learned safe use of restricted-use pesticides and application equipment on their farmland:</p> <ul style="list-style-type: none"> <li>•pest identification,</li> <li>•biological control,</li> <li>•pesticide labels and how to use them,</li> <li>•personal protective equipment,</li> <li>•emergency plans – their importance and procedures,</li> <li>•spill containment,</li> <li>•sprayer calibration, and</li> <li>•record keeping.</li> </ul>	<p>Participants were able to obtain a new license, or renew their private pesticide applicator license. Applied restricted use pesticides using techniques and equipment that minimize human health risks and negative environmental impacts while providing the most effective pest control possible.</p>	<p>Water quality protected</p> <p>Careful, responsible use of pesticides and other inputs</p> <p>Reduced human health risks, and improved drinking water quality and wildlife habitat.</p>
<p>Over 500 Pike County participants that included:</p> <ul style="list-style-type: none"> <li>• farmers,</li> <li>• gardeners,</li> <li>• soil test customers,</li> <li>• plant and insect identification and diagnosis customers,</li> <li>• master gardeners,</li> <li>• cooperators with the United States Department of Agriculture and Missouri Department of Conservation, and</li> <li>• telephone and email requests for publications.</li> </ul>	<p>Over 600 hours of learning by Pike County residents. Thirty hours of service reported by Master Gardeners in Pike County.</p>	<p>Evaluation of the various programs shows that participants learned:</p> <ul style="list-style-type: none"> <li>• basic gardening,</li> <li>• pest identification,</li> <li>• soil fertility management to increase fertilizer efficiency and protect the environment and</li> <li>• management intensive grazing practices.</li> </ul>	<ul style="list-style-type: none"> <li>• Used proven gardening practices to grow more food.</li> <li>• Used the safest and most efficient method to control the pest identified.</li> <li>• Increased use of management intensive grazing practices.</li> <li>• Managed fertilizer applications to row crop fields to maximize return per acre while minimizing loss of fertilizer to the environment.</li> </ul>	<p>By utilizing research proven best practices in their gardens and on their farms, citizens of Pike County improved their local economy. Regardless of whether research proven best practices are used to produce locally grown produce for a farmers market or corn and soybeans marketed globally, there are clear benefits to increasing efficiency, productivity, and safety. Current and future generations benefit when research proven best practices are used and result in improved productivity and reduced negative environmental impacts.</p>

# Livestock Education in Pike County

- Beef Improvement
- Show-Me-Select Heifer
- Beef Ultrasound
- Artificial Insemination Breeding

Livestock Specialist  
Daniel Mallory



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
Five Pike County beef producers participated in the Beef Cattle Improvement Association program.	A total of 45 hours per producer per year	Learned importance of keeping performance records by taking weaning and yearling weights and heights on the farm.	Data is used when they sell the bulls to other producers such as in the Performance Tested Bull Sale. Three of the five producers sold bulls in the sale this year. Others sold bulls off the farm.	Five producers from Pike County purchased six bulls in the sale because they could utilize the data provided to see which bull would further improve their herd.
Four beef producers in Pike County were involved in the Show-Me-Select Heifer Program.	A total of 80 hours per producer	Learned how to produce high quality, easy-calving heifers. Accurately learned the cost of producing a replacement heifer and the value added to her by going through the Show-Me-Select Heifer program.	It allows the participants to create a heifer development program for their herd. They also sold heifers in the program at a value-added sale. They will have more predictable replacement heifers that will be more likely to save a calf at birth and make money for the person who buys them.	Increasing profitability from quality livestock production has a positive impact on the economy of Pike County. All three producers participated in Show-Me-Select Heifer Sale and a new producer is interested in beginning.
Four Pike County beef producers utilized the beef ultrasound program.	Each producer had three hours of instruction.	Ultrasound data on animals in their herd. This includes: rib-eye area, back-fat, and marbling on their animals.	The data is used in selection of breeding stock and to provide information for potential buyers.	Increases the profitability of the producer when the data is utilized in the sale of animals. In turn, creating a larger spendable income for the producer to spend in the county and state.
Eight Pike County producers participated in the Artificial Insemination Breeding program.	Two hours per producer	Learned how to use the breeding boxes, how the boxes make Artificial Insemination Breeding easier and less stressful on the animal.	The Artificial Insemination conception rate is increased by 5-15 percent due to the lower stress levels on heifers/cows as a result of the design of the breeding boxes.	Increases the productivity of a producer's herd affecting his profitability, creating a positive impact on the economy of Pike County and Missouri.

# Livestock Education in Pike County

- Show-Me Quality Assurance
- Livestock Judging
- Pike County Fair

Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
Twenty Pike County 4-H members and parents participated in Show-Me Quality Assurance.	The certification includes a one hour workshop. Participants must do this three times during their showing career. They must attend twice under the age of 13 and once when they are 14 or older.	Learned specific information on - daily care and management, - animal identification, - reading feed labels, - drug withdrawal requirements, - bio-security, - proper injection sites and - carcass quality.	Meets the requirements for certification required to exhibit meat producing animals.  Allows livestock and poultry project members to meet this requirement to complete their project.  Increases the knowledge and awareness of Missouri youth about food quality issues related to animal production.	Increases quality of care and knowledge of livestock produced by youth in Pike County.  Increased profitability from quality livestock production has a positive impact on the economy of Pike County and the state of Missouri.
Fifteen Pike County 4-H members participated in livestock judging contest.	The participants are involved in four hours of competition.	Evaluation skills for beef, sheep, goats, and swine	Participants get to utilize and practice decision-making skills as well as communication skills. They also learn skills to select animals for their herd development as well as selection of show animals.  Teams were selected for state contest and seven 4-H members went to state. The senior team placed sixth in the state contest. The junior team placed seventh in the state contest.	Youth utilize skills to increase the quality of their livestock produced in Pike County while increasing the profitability of their herd having an impact on the economy of Pike County and Missouri.
Pike County Fair	Thirty hours of involvement	Youth participating in livestock projects learned importance of being trustworthy, to respect others, to be responsible, and fairness in the show ring.	Youth participants are rewarded by gaining confidence in showing livestock in front of crowds, speaking with a judge, and learning from winning or losing in the ring to improve for the next year.	Youth of the county are exposed to people from the community to build relationships for a functional community by working with other youth, people visiting the fair, and buyers at the Pike County Fair Sale.  Youth prepared for contributing to the community create a better environment for the community and Missouri.



4-H members participating in the Livestock Judging event.

# Agri-Business Education Offered for Pike County

- Management Intensive Grazing School
- Agricultural Lenders’ Seminar

Agri-Business Specialist  
Karisha Devlin



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
<p>One person from Pike County participated in the Management Intensive Grazing School.</p>  <p>Management Intensive Grazing School participants actively learning.</p>	<p>The school consisted of 15 hours of instruction.</p>	<p>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 improvement techniques, and economics of pasturing systems.</p> <p>What is the most significant thing(s) you learned from the Management Intensive Grazing School?</p> <ul style="list-style-type: none"> <li>• I can improve my profit margin,</li> <li>• a good way to stockpile fescue and how to get the right amount,</li> <li>• use different areas to graze,</li> <li>• measuring and calculating forage-actual field calculation,</li> <li>• plan to manage,</li> <li>• how to calculate what your farm can do and how to change it,</li> <li>• high efficiency of grazing vs. stored feed,</li> <li>• stock piling compliments to Management Intensive Grazing and hay,</li> <li>• benefits of Management Intensive Grazing,</li> <li>• how to calculate the necessary length of time per paddock,</li> <li>• alternates to hay in winter, and</li> <li>• other fencing options.</li> </ul>	<p>Producers implementing a Management Intensive Grazing system have reported large increases in available forage as well as increased stocking rates for their pastures.</p>	<p>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.</p>
<p>Two people from Pike County attended the Agriculture Lenders’ Seminar.</p> 	<p>The school involved 11 hours of instruction.</p>	<p>Topics for the two seminars held at Kirksville and Hannibal were:</p> <p>Crop &amp; 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</p> <p>Lenders received the 2015 Missouri Farm Financial Outlook book which included budgets for all major crop and livestock enterprises in the state.</p>	<p>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.</p>	<p>The lenders in attendance manage 3,157 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 tools, budgets, and other resources 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.</p>

# Agri-Business Education Offered for Pike County

- Farm Bill Education
- Missouri Fence Law Education

Agri-Business Specialist  
Mary Sobba



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
Eighty seven participants from Pike County	The workshop consisted of 2.5 hours of instruction.	Participants learned about their options under the new farm bill – agriculture risk coverage – individual, agricultural risk coverage –county, or price loss coverage. 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.	Ninety three 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 agricultural risk coverage- individual, agricultural risk coverage – county, or price loss coverage.	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.
Nine participants from Pike County participated in a Missouri Fence Law class.	The class was 2.5 hours in length.	<p>Comparison of the two fence laws in place in Missouri</p> <p>Ninety percent know they can find additional resources and information on the Missouri fence law through University of Missouri Extension.</p> <p>Eighty eight percent of attendees now understand that there are two fence laws, depending on county where land is located.</p> <p>Eighty seven now know which law is in effect in the county where their land is located.</p>	<p>As a result of attending this Missouri Fence Law Program:</p> <p>Sixty two percent will review the actual state law and other printed materials related to the fence law in the coming year.</p> <p>Forty three percent will discuss the law with at least one neighbor in the coming year.</p>	<p>The class promotes better relations between neighbors and avoids conflicts that cost time and money.</p> <p>This helps Missouri by saving money on costly litigation that congests our court system. At an average lawyer cost of \$200/hour, this amounts to a \$17,000 savings in attorney fees.</p>

# Family Nutrition Program

Nutrition Program Associate  
Chelsea Lippincott Dunn



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
<p>University of Missouri Extension's Family Nutrition Program reached 1,248 participants directly and 1,003 indirectly with nutrition education in Pike County during 2014, a significant percentage of which were low income.</p>	<p>Two hundred twenty three hours of instruction were spent with the students.</p>	<p>Youth from preschool to 12<sup>th</sup> grade learned nutrition and health information in kid-friendly terms through lessons with hands on activities. These activities included opportunities for taste-testing healthy foods and practicing skills that lead to good health. Education for adults also included nutrition, food safety, physical activity, and food resource management.</p>	<p>Nutrition Program Associates 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.</p> <p>For youth who participated in the programming, results summarized for the state revealed the following positive impacts:</p> <p>Two thousand, five hundred eight teachers gave us feedback.</p> <p>Fifty-two percent have participated in Family Nutrition Programming for three or more years.</p> <p>Ninety-eight percent (2,461 teachers) reported one or more changes in students after Family Nutrition Programming.</p>	<p>The Family Nutrition Program 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. Of these participants, 2,251 reside in Pike County. It funds one full-time job that serves three counties with quality benefits plus expenses for making the programming available to qualified schools and agencies in the county.</p> <p>Participants in Family Nutrition Program become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important programming effort serves to reduce healthcare costs over the participant's lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.</p>
 <p>Chelsea in the classroom working with students.</p>				

# Nutrition Education Offered in Pike County

- Nutrition Education
- Back to School Fair

Nutrition and Health Education Specialist  
Jim Meyer



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	How Participants Benefit	How Does This Work Make Pike County and Missouri Better?
Fourteen women from the Haw Creek homemaker club participated in the program.	The program about portion distortion lasted 45 minutes.	Portion sizes of food have grown larger over the years. People no longer recognize a normal portion of food. Re-learning normal portion sizes for food can decrease overeating. Plates, cups and dishes have also gotten bigger. Buying smaller plates, cups and dishes can help reduce overeating.	Participants gained information on making healthy food choices which can help them improve their health.	Approximately two out of three American adults are overweight or obese. Healthy eating habits can reduce the risk for obesity. This can benefit the community by decreasing the amount of money spent on healthcare.
Served 380 samples of a fruit smoothie at the Pike County Back to School Fair and YMCA health fair.	Both fairs lasted for three hours.	A fruit smoothie is easy to make and makes a great nutrition packed snack. Participants received a recipe for the smoothie and were given other nutritional information on snacks.	Participants learned an easy but tasty fruit smoothie recipe that could be used as an after school snack. They also learned about other healthy snack alternatives.	If parents and youth alike learn healthy snack choices, it can reduce the amount of obesity as well as create a healthier population.



A smoothie bike was used to entice young people and parents to ride the bike and then taste the smoothie

# Human Development Education in Pike County

•Focus on Kids

Human Development Specialist  
Sherry Nelson



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	What Action Did they Take?	How Does This Work Make Pike County and Missouri Better?
<p>A total of 51 divorcing parents with minor children took the class.</p>	<p>There was a total of 30 hours of learning.</p>	<p>The information in this workshop is critical to the divorcing parents' successful co-parenting during and after divorce.</p> <p>They learned</p> <ul style="list-style-type: none"> <li>-how sustained, supportive involvement by both parents is important to the child,</li> <li>-children's and adolescents' developmental needs and common reactions to divorce,</li> <li>-specific behaviors that are helpful in a co-parenting situation and behaviors to avoid, and</li> <li>-community resources that can help.</li> </ul> <p>On a scale of 1-5 with 5 being strongly agree: participants gave a rating of 4.4 that the program offered helpful suggestions to support my child's relationship with the other parent.</p> <p>Participants gave a 4.02 rating that the program should be required of all divorcing or separating parents.</p> <p>A 4.2 rating to the overall program, it was worthwhile and would recommend it to others.</p>	<p>Participants use new ways to help resolve conflicts with the co-parent.</p> <p>They use strategies to support both the children and the child's other parent.</p> <p>Participants will utilize the information to make better choices regarding their children's lives.</p> <p>Parents learned how to nurture and support their children during and after separation and divorce, which leads to more children being raised in a healthy, low-conflict environment.</p> <p>Participants ranked the information they received would influence decisions they made concerning their child at 4.4 on a scale of 1-5 with 5 being strongly agree. They also ranked at 4.5 that the program helped them think of new ways to resolve conflict.</p>	<p>It benefits other community members by reducing the need for community health services for children.</p> <p>Success in school, lower delinquency, delayed sexual activity and reduced drug experimentation are higher for children who have two involved parents – even divorced – co-parenting the children.</p> <p>This is not only important for the success of children, it is important to reduce education, special services, and juvenile and adult legal system costs for Pike County and Missouri.</p>

# Human Development Education in Pike County

- Caring for Our Kids Parenting
- Community Health Assistance Resource Team Teen Task Force

Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	What Action Did they Take?	How Does This Work Make Pike County and Missouri Better?
<p>Twenty nine parents participated in <a href="#">Caring for Our Kids</a> parenting program</p> <p>One hundred percent of the participants indicated they would recommend this program to others.</p>	Forty-two hours of learning	<p>The information in this workshop is designed to help parents</p> <ul style="list-style-type: none"> <li>• recognize abuse and neglect,</li> <li>• understand child development and appropriate parenting techniques for developmental stages,</li> <li>• learn how to manage conflict and improve communication, and</li> <li>• manage and reduce stress.</li> </ul>	<p>Participants indicated that they would use some of the new techniques they learned particularly with their teenage children. Several reported they had not received teen parenting information in previous classes.</p> <p>Most of the parents reported that they were either having their children return home or were having unsupervised custody visits during the week as a result of this class and other changes they were making.</p>	<p>Research shows that many parents who attend parenting classes are able to care for their children, reducing the cost of placement in the child welfare system and the juvenile delinquency system.</p> <p>Parents are less likely to use corporal punishment or have inappropriate expectations of their children. These actions can reduce abuse and neglect which in turn improves a child's functioning socially, emotionally, and cognitively.</p>
<p>Community Health Assistance Resource Team Teen Task Force Pregnancy Prevention programs</p> <p><a href="#">Empathy Belly</a> Thirty nine students participated in using the Empathy Belly pregnancy simulation.</p> <p><a href="#">Real Care Babies</a> Sixty eight students participated in using the Real Care Baby infant simulators.</p>	<p>This program involved 39 hours.</p> <p>Most students cared for the infant simulators for two days giving a total instruction time of 136 days for all students.</p>	<p>Ninety five percent of the participants felt they were more knowledgeable about the discomforts of pregnancy.</p> <p>Students learned about the types of care, frustrations, and stressors involved with infant care on a day to day basis.</p>	<p>Ninety six percent indicated they intended to delay sexual activity and becoming pregnant.</p> <p>There were 88 percent of the students that reported they intend to delay sexual activity and becoming pregnant.</p>	<p>The Pike County teen pregnancy is currently 37 per 1,000. This is a drop from 66 per 1,000 in 1996 when the program began.</p> <p>The reduction of ten births to teenagers creates a cost savings of \$232,630 in social and health costs in Pike County.</p>

# Making Money Count

## Education Focused on Increasing Control Over Personal Finances

Family Financial Education Specialist  
Wendy Brumbaugh



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	What Action Did They Take?	How Does This Work Make Pike County and Missouri Better?
<p>One hundred sixteen Pike County participants included:</p> <p>Northeast Correctional Center</p> <p>National Association for the Advancement of Colored People</p> <p>Daughters of the American Revolution members</p> <p>Pike Lincoln Technical Center Nursing program</p> <p>Pike Lincoln Technical Center Adult Education program</p>	<p>Three hundred forty eight hours of participation</p>	<p>The participants received instruction on: setting financial goals, understanding credit pitfalls, identifying spending habits, budgeting concepts, and strengthening communication skills about money.</p> <p>Evaluation of the various workshops shows that participants learned:</p> <ul style="list-style-type: none"> <li>• Strategies to replace financial stress and worry with positive action solutions.</li> <li>• Having savings in the bank is life changing.</li> <li>• Paying off debt is a form of savings and builds net worth.</li> <li>• There is only one truly free website to access your credit reports (annualcreditreport.com) and more than 100 rip-off websites.</li> <li>• A bad credit report can cost a family \$250,000. The credit report is the most important document a family has.</li> <li>• Predatory lenders routinely charge the equivalent of three- and four-digit annual percentage rate interest when both interest and fees are considered.</li> </ul>	<ul style="list-style-type: none"> <li>• One hundred percent of the participants had written financial goals by the conclusion of their work.</li> <li>• Each participant gained an understanding of predatory lenders and received a list of resources available to them.</li> <li>• Participants are making financial decisions less on the basis of fear or greed and with quality, correct information.</li> <li>• Every participant left the program with knowledge about their personal credit report and how to gain access to their report.</li> <li>• Ninety eight percent find learning about financial management with MU Extension to be a positive experience and would recommend it to others.</li> <li>• Participants reduce their financial stress and take positive actions such as:             <ul style="list-style-type: none"> <li>• communicating with lenders,</li> <li>• selecting lenders carefully,</li> <li>• building net worth,</li> <li>• paying off debt, and</li> <li>• increasing their saving for retirement and other critical goals.</li> </ul> </li> </ul>	<p>The Personal Finance Employee Education Foundation has documented that for 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.</p> <p>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.</p> <p>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.</p>

# Pike County 4-H



A Community of Members Building Life Skills,  
Engaging in Science and Connecting to Community

4-H Youth Development Specialist  
Patty Fisher



Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	What Action Did They Take?	How Does This Work Make Pike County and Missouri Better?
<p>There were 220 members in the traditional club program.</p>  <p>Promotional booth at Back to School Fair for Pike County manned by a recent graduate from the program.</p>  <p>Camp Workshop Experiences</p>	<p>Over 600 hours of learning in Pike County</p>	<p>Pike County 4-H serves youth through five organized clubs, school enrichment groups, camps and more. 4-H members have demonstrated learning through the following activities: <b>Fair exhibits:</b> 90 state fair exhibits 335 county fair livestock exhibits 697 county fair inside exhibits <b>Regional and State 4-H Attendance:</b></p> <ul style="list-style-type: none"> <li>•Teen Conference – 13 members</li> <li>•State Horse Judging Contest – eight members</li> <li>•State Hippology Contest – 10 members</li> <li>•4-H Camp – 31 members</li> <li>•4-H Camp Counselors – six members</li> <li>•State 4-H Congress – two members</li> <li>•State Fashion Revue – two members</li> <li>•State Livestock Judging – four members</li> <li>•State Public Speaking – two members</li> <li>•Equine Tour – four members</li> <li>•State Shooting Sports Contest – two members</li> <li>•State Horse Demonstrations - three members</li> </ul>	<p>Pike 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. Clubs also involve children and teens in community service, camping and educational trips.</p>	<p>4-H Youth are equipped with the knowledge, skills, attitudes and health for the 21<sup>st</sup> century workforce. Missouri 4-H members spend almost nine times more of their leisure time than peers engaged in projects anchored in science. As a result, 4-H members are three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008). Fostering career development is the fact that Missouri 4-H members are connected to college campuses and faculty. MU Extension 4-H connects 8,500 young people to University of Missouri campuses. Being on campus is a predictor of youth going onto higher education (Hoover, 2006).</p> <ul style="list-style-type: none"> <li>•Pike County had 46 young people ages 5-18 that participated in 4-H events on the MU campus.</li> <li>•Youth, who earn their bachelor's degrees, increase annual earnings by \$2 million over their lifetime (NACUBO, 2012.). If 70 percent of the Pike County members participating in 4-H events on the MU campus go on to earn their bachelor's, 4-H would help these young people earn \$65 million more of lifetime earnings.</li> </ul> <p>Missouri 4-H members, however, also learn to use these talents to engage in their communities. 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. In Pike County, 220 4-H members were engaged in leadership and service experiences in their communities.</p>
<p>Ninety-three trained volunteers</p>	<p>5,640 volunteer hours contributed \$107,160 in time to 4-H.</p>	<p>Volunteers gained knowledge in how to offer a valuable learning experience for the youth in their program. Where to find additional resources was also covered.</p>	<p>They held learning experiences for the youth to participate in and encouraged them to develop their skills.</p>	<p>Adult volunteers serve as mentors for our youth helping them transition into a healthy adulthood, which is priceless.</p>



## Business Education Offered in Pike County

- Management Counseling
- International Trade
- Missouri Procurement Technical Assistance

Business Development Specialist  
Chris Shoemaker

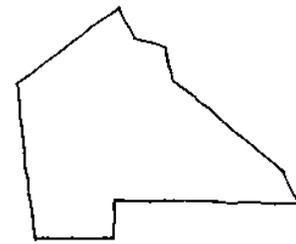


Business Development Specialist  
Charles Holland

Number of Pike County Learners	Total Hours of Collective Workshop Participation in 2014	What Did They Learn?	What Action Did They Take?	How Does This Work Make Pike County and Missouri Better?
<p>Pike County had two clients/ companies that received business counseling from Charles Holland.</p> <p>Three contacts with Pike County businesses for government procurement were made by Chris Shoemaker.</p>	<p>Thirty two hours of direct counseling.</p> <p>Four sessions were held varying in length from 15 minutes to two hours depending on the service needed.</p>	<p>Counseling included the following topics:</p> <ul style="list-style-type: none"> <li>•business planning,</li> <li>•marketing,</li> <li>•financial matters and</li> <li>•start-up to international trade.</li> </ul> <p>The registration processes for state and federal contracting along with potential opportunities that pertain to their product or services offered</p>	<p>The action that resulted from the counseling was the building of better businesses and creating a stronger start-up of new companies.</p> <p>Of the three businesses that were consulted, one of them started the process to be eligible for government contracts.</p>	<p>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.</p> <p>Creates stronger business which creates stronger communities</p> <p>This is job creation along with increasing small business opportunities in Rural Northeast Missouri. Overall, the University of Missouri's Business Development Programs served people and their businesses state-wide. The total impact for all businesses assisted was:</p> <ul style="list-style-type: none"> <li>• Government contracts \$349,593,124</li> </ul>

# Pike County Extension Leadership

115 W Main  
Bowling Green, MO 63334  
573-324-5464



Pike County Extension Council	Extension Faculty and Staff in Pike County	Additional Faculty Serving Pike County	Budget
Scott Jackson Chairman/District 1	Patty Fisher 4-H Youth Development Specialist County Program Director	Shelley Bush Rowe Regional Director Moberly, Missouri	<b>Revenue</b>
Lucretia Steinhage Vice Chairman/ District 3	Stephanie Shinn Secretary	Wendy Brumbaugh Family Financial Education Specialist Shelby County	Beginning Balance \$ 754
Marion Branstetter Secretary/District 1			County Appropriations 12,097
Don Nacke Treasurer/District 1	Fay Miller Secretary	Karisha Devlin Agri-Business Specialist Knox County	<b>Total Revenue \$12,851</b>
Andrea Ankrom District 2		Chelsea Lippincott Dunn Nutrition Program Associate Marion County	<b>Expenses</b>
David Ash District 2		Max Glover Agronomy and Horticulture Specialist Shelby County	Salary (temporary help) \$ 180
Melissa Bailey District 2		Charles Holland Business Development Specialist Monroe County	Travel 3,996
Frank Becker Farm Bureau Liaison		Daniel Mallory Livestock Specialist Ralls County	Telephone 2,365
Jeff Chapuis District 1		Jim Meyer Nutrition and Health Education Specialist Ralls County	Supplies and Services 2,149
Mike Christensen District 3		Sherry Nelson Human Development Specialist Marion County	Office Network 400
Sara Dean District 1		Wayne Shannon Soil and Water Conservation Board	Insurance 552
Price Edmiston Youth Representative		Chris Shoemaker Business Development Specialist Missouri Procurement Technical Assistance Center Macon County	Advertising/Election 97
Monte Hoover City of Bowling Green		Mary Sobba Agri-Business Specialist Audrain County	Miscellaneous 528
Jim Luebrecht Commission Liaison			Furniture and Equipment 1,095
Brad Niemeyer District 2			Repair and Maintenance 905
Reed Niemeyer Youth Representative			<b>Total Expenses \$12,267</b>
Bob Noellsch District 2			
Cheryl Shaw District 1			
Adam Trower District 2			
Pat Vallar City of Louisiana			



## Impact on Pike County, Missouri

### The County at a Glance



Population: 18,669

- ☐ *UM Students:* 93
- ☐ *UM Alumni:* 499
- ☐ *UM Employees:* 16
- ☐ *UM Salary & Retirement Income:* \$468,339
- ☐ *UM State Tax Revenue:* \$15,911
- ☐ *UM Federal Tax Revenue:* \$73,256

### UM Students from the County in 2014

- 93 students
  - 63 - MU
  - 2 - UMKC
  - 25 - Missouri S&T
  - 3 - UMSL
  - 84 - Undergraduates
  - 9 - Graduates
  - 83 - Full-time students
  - 10 - Part-time students

### UM Employees and Retirees Residing in the County in 2014

- 16 people employed by UM
  - 8 - MU
  - 1 - Missouri S&T
  - 1 - UMSL
  - 6 - UM Health Care
- 4 UM Retirees and Beneficiaries

### UM Alumni Residing in the County in 2014

- 499 alumni
  - 395 - MU
  - 13 - UMKC
  - 25 - Missouri S&T
  - 66 - UMSL
- 230 Selected School Alumni
  - 7 - Medicine
  - 21 - Nursing
  - 6 - Health Professions
  - 3 - Dentistry
  - 2 - Pharmacy
  - 1 - Optometry
  - 7 - Veterinary Medicine
  - 131 - Agriculture
  - 40 - Engineering
  - 12 - Law

### UM Alumni Teaching K-12 in the County in 2014

- 46 teachers
- 20% of all county teachers
- 3 principals and administrators
- 21% of all county principals and administrators

### UM Services Received in the County in 2014

- 504 patients seen at UM Health Care, with \$282,739 of uncompensated care.
- 1 patient seen at the UMSL Center for Eye Care with an average of \$77 per patient in uncompensated care.
- 6,066 contacts with MU Extension through MU Extension events held in district counties.

### UM Footprint in the County

Pike County MU Extension Center