2012 Youth Biz Boot Camp
3 Day camp for High School students to help them learn the basics of starting and running a business.

Youth Biz 2012
Taught entrepreneur skills to high school seniors through funding “hands-on” in-school projects as well as classroom training.

Extreme Entrepreneurship Tour
The Tour features several of America’s top young entrepreneurs who spread the entrepreneurial mindset to their peers at a grassroots level nationwide.
2012 Faculty & Staff

Logan Wallace
County Program Director
Livestock Specialist
Willis Mushrush
Business Development Specialist
Dr. Amy Patillo
4-H Youth Development Specialist
Amelia LaMair
Youth Program Assistant
Nena Kimball
Nutrition Program Associate
Family Nutrition Program
Wanda Bowman
Nutrition Program Associate
Family Nutrition Program
Tammy Woodworth
Administrative Asst./Bookkeeper
Brenda Bell
Human Development Specialist

2012 County Appropriations Budget

<table>
<thead>
<tr>
<th>Category</th>
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<tr>
<td>Salaries/Wages/Benefits</td>
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<td>Secretaries and Youth Program Assistant</td>
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Dear Citizens,

Thank you - your support has made it possible for University of Missouri Extension to provide educational programs for the citizens of Howell County. University of Missouri Extension provides research-based resources and programs to address high priority issues, and is a direct link to the four campuses of the University of Missouri System. In 2012, more than one million Missourians statewide turned to University of Missouri Extension for help in improving their farms, businesses, families and communities.

For almost 100 years, the University of Missouri has provided cooperative extension services to Missouri residents. Missouri’s extension effort has its roots in federal acts (The Morrill Act of 1862, The Hatch Act of 1887 and the Smith-Lever Act of 1914) that enabled the university to create and sustain an Extension service.

The success of University of Missouri Extension in Howell County depends upon the dedication and support of members of the County Extension Council. The council assists staff with planning and implementing programs by communicating the interests and concerns of local citizens. Programming efforts require the best efforts of our partnerships in the state to maximize and apply our resources where the greatest impact can be made.

Highlights and outcomes of local program efforts in 2012 are included in this annual report. For more information about University of Missouri Extension, please visit our website at http://extension.missouri.edu/howell/, or contact the Howell County office at 217 Aid Avenue, West Plains, MO 65775; 417-256-2391.

Jo Wagner
Chairwoman
Howell County Extension Council

Julie Hart
Secretary

Logan Wallace
County Program Director
Howell County Extension

2012 Howell County Extension Council

The county council is the link between University of Missouri Extension and the people of the state. Established and directed by Missouri state law, the council assists the staff in educational program development and implementation, personnel and fiscal management and membership. County councils are comprised of elected and appointed members who serve two-year terms. The 2012 Howell County council members are:

**Elected**
- Jo Wagner, Chairwoman
- Greg Brown, Vice Chairman
- Ron Gould, Treasurer
- Julie Hart, Secretary
- Josh Cotter
- Jamie Kurtz
- Jake Long
- Robin Morgan
- Barry Slayton
- Larry Spence
- Doug Taber
- Dixie Williams

**Appointed**
- Royce Fugate
- City of West Plains
- Billy Sexton, Howell County Commission
- Lee Jordan, Howell County Farm Bureau

Funds from the University of Missouri and USDA are used to pay the salary and benefits of Extension specialists and most education assistants, training for Extension specialists, travel to state-sponsored training and committee meetings, regional and statewide administration, a portion of the cost of computer equipment, and maintenance costs, and postage for official business mail of Extension specialists.

County funds are used to provide the space for the Extension office, salaries and benefits for secretaries and some education assistants, travel within the region, long-distance phone calls and local phone service, office furniture and equipment, audio-visual equipment, office and program supplies and printing, a portion of computer costs, insurance for office equipment and furnishings, and cost of council maintenance such as elections, bonds, and audits.
The Show-Me-Select Replacement Heifer Program (SMS): SMS improves herd reproductive efficiencies and farm profitability through increasing added value for Missouri-raised heifers. In 2012 a total of 1,340 heifers in Missouri were sold through the Show-Me-Select program grossing over $2,69 million in revenue and averaging over $2,000 per head. Seven producers from the region enrolled one hundred fifty-four heifers in the SMS program in 2012. A growing number of producers have been utilizing the program to raise quality replacement females to retain on the farm to improve the productivity of their herd.

South Ozarks Premier Beef Marketing Program (SOPBM): SOPBM allows producers to cooperatively market beef calves in 50,000 lb. semi-truck loads, and receive performance and carcass data which allows them to make management decisions about their cowherds. To date, fifty-two producers have back-grounded 11,226 head of cattle in the program. In 2012, producers enrolled a total of 333 head of steers and heifers for the spring and fall commingling groups. Producers involved in SOPBM learn advanced marketing and management techniques for their beef operations, and improve profits for their beef enterprise.

Grazing School: Forty-eight farmers participated in workshops that were conducted through a partnership with USDA, Natural Resources Conservation Service and Soil and Water Conservation Districts. The workshops focused on forage utilization and grazing management. Grazing school participants have shown on average stocking rates increase by nearly 20% after implementation of grazing systems and the length of the grazing system increases by 18%. The longer grazing season generated annual savings of approximately $900 per herd.

Beef and Forage Seminar: This seminar focused on bringing researched based information to producers in the Ozarks to assist them in beef and forage production. Attendance at the seminar located in West Plains included fifty-six individuals from four counties and two states. Topics covered at the seminar included tips on fertilizer strategies for pasture productivity and management of weeds and brush in pastures.

South Central Missouri Agriculture Newsletter: The monthly newsletter produced by Logan Wallace and Sarah Kenyon is focused to provide practical research, timely information, and upcoming events that will assist producers in making decisions for their operations. The newsletter is circulated by mail, email, and at many farm stores in the area.

Weed Workshops: Several weed workshops were conducted in Howell County and the surrounding area, 171 farmers attended these workshops. The topics covered included weed identification, time of year to control weeds, and control methods for particularly troublesome weeds.

Soil Testing serves to assist landowners with understanding the nutrient needs of their soils and helps producers determine the best course of action for fertilizing pasture and crop ground. Soil testing enables producers to determine the best investment for profitability. 606 soil samples were evaluated for Howell County residents.

Nitrate Testing in Forages: During the extreme drought conditions of 2012 several forage crops accumulated lethal levels of nitrates. Nitrates are typically absorbed by the plant for growth, but during a drought the plant lacks the resources to convert the nitrate for growth and will store the nitrates until normal processes can resume. Accumulated nitrates can build to levels that are toxic to livestock and may result in abortion or death. Extension specialist in the Howell County Office preformed nitrate tests for 85 area farms, saving them countless of dollars by preventing livestock losses.

Ag Lenders Seminar 2012: Twenty agricultural lenders and Farm Service Agency and Extension personnel from 7 Counties in Missouri and Arkansas attended the seminar in West Plains, Missouri. Agriculture lenders come in contact with more people involved in agriculture than any other single commercial institution. Many times the person holding the ‘purse strings’ of many operations can have a tremendous influence on the management behavior of the producers. Research based information is needed for lenders to make sound business decisions for their lending institutions. Lenders must consider many economic forces when making lending decisions and this seminar focuses on key issues affecting those decisions. Participants a copy of the “Missouri Farm Financial Outlook 2013,” which contains current articles on farm outlook, management, and budgets for planning next year’s farm operations. The average evaluation rating was 8.8 out of 10 when participants were asked to rate the program on a scale of 1 to 10 with 10 being very valuable.

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.

Business Consulting: In Howell County, during 2012, business development program specialists and business counselors with MU Extension, Missouri Small Business & Technology Development Centers (MO SBTDCC), Missouri Procurement Technical Assistance Centers (MO PTAC), Missouri Environmental Program, Missouri Career Options Project, and the Missouri Market Development program served 150 people and their companies with business start-up and management counseling, training, and government assistance. In addition, entrepreneurs and business owners in Howell County reported the following economic impact and activity as a result of the services provided by the MU Extension Business Development Program:

- New jobs: 60; sales increases: $2,906,685; government contracts: $182,635; new businesses: 13; jobs retained: 41; loans and investments in business: $1,000,184; acquired assets: $40,000; clients/companies receiving business counseling: 89; business training attendees and conference participants: 61.

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.

Working with the Ozark Heritage Region economic developers which includes those from Douglas, Howell, Oregon, Ozark, Shannon, Texas, and Wright counties, University of Missouri Extension received grant money from the Small Business Administration to continue working with entrepreneur programs in these counties. A program entitled Youth Biz has been ongoing for the past six years. This program teaches entrepreneur skills to high school seniors through funding “hands-on” in-school projects as well as classroom training. These funds were awarded to continue this effort as well as expand the effort to adult entrepreneurs through training programs in all 7 counties.

In 2012, this program also assisted the Ozarks Small Business Incubator and its partner’s by funding a program called Operation Jumpstart and Biz Boot Camp.

As part of the Youth Biz program, the Extreme Biz Tour which is a very dynamic youth oriented national program sponsored by the United States Chamber of Commerce was held at the West Plains Civic Center on February 28, 2012. Over 500 students from 21 area schools participated. All Howell County Schools sent students to this program which is scheduled again for March 6, 2013. The primary goal for these programs is to retain youth in our area after graduation from high school or college.
MISSOURI CENTURY FARMS

Missouri Century Farm Program
Established in 1976 as part of the American Revolution Bicentennial to recognize the role of agriculture as the state’s number one industry. Recognizing continuing interest the “Missouri Century Farm” program celebrates families’ accomplishments in farming over the years. The program has continued each year with approximately 100 or more farms being recognized each year.

Century Farm Program Guidelines:
1. The same family must have owned the farm for 100 consecutive years or more.
2. The line of ownership from the original settler or buyer may be through children, grandchildren, siblings, and nephews or nieces, including through marriage or adoption.
3. The present farm shall consist of no less than 40 acres of the original land and shall make a financial contribution to the overall farm income.

Applications are available March 1 through May 15 from University of Missouri, Century Farms, Extension Pub., 2800 Maguire Blvd., Columbia, MO 65211 or from the University of Missouri Extension Center in Howell County.

Sponsorship:
MU Extension, MU College of Agriculture, and Farm Bureau jointly sponsor this program. Locally, the Howell County Extension Council sponsors the cost of the application, and provides recognition and publicity of the award.

For more information visit the Missouri Century Farms website:
http://extension.missouri.edu/centuryfarm

Howell County Century Farm Families
1976
Burk and Iline Hopkins
Muriel and Beatrice Parker
Mr. & Mrs. Charles Parker
1986
Walter Horak
James L. and Stella Murrell
Muriel and Charles Parker
1989
Arnold Stubbs
1990
Don R. and Carolyn Proffitt
1994
Jack and Patricia Sloan
2000
George and Mary Jo Corman
2004
John C. and Goldie Eagleman
2008
Dunn-Eidson-Fugate
2009
Dixon
Britton-Corwin
2010
Larry and Carol Asberry
Johnson Farm
Michael, Linn and David Johnson
2011
Isaac A. Cherry Homestead

Leaders Honor Roll
Each year an individual is selected in recognition of their contribution of time and service to the county extension program. These individuals are listed on a permanent Honor Roll maintained by the county Extension office and the University of Missouri.

2012 Recipient Melinda Vance
Melinda Vance shared her expertise, experience and enthusiasm for helping prepare young children to learn through training for area child care providers and Head Start staff. Melinda’s involvement also helped to build a partnership among private providers, Head Start and the public school.

State Fair Farm Family
The Missouri State Fair Farm Family Day provides the opportunity to honor and recognize one outstanding farm family from each county in the state. Criteria for selection include being actively engaged in agricultural activities in cooperation with University of Missouri Extension for technical assistance, having children actively involved in 4-H and/or FFA; and active within their community.

The John and Juli Oravec Family was selected to represent Howell County as the 2012 recipient of this award that was presented at the Missouri State Fair.

Congratulations to John, Juli, Trey, and Trevor for their contribution to family farming and to Howell County.
Better Child Care for Missouri: Two hundred child care providers and Head Start staff from six counties attended 34 hours of workshop training to meet state licensing requirements. Topics presented included: School Readiness, Reactive Dissociative Disorder, Family Advocating, Advocating for Children with Special Needs, Stress Management, Meaningful Play, Emergency Preparedness. Head Start staff participants receive Continuing Education Credit through MU for the workshops. Additional workshops were offered to home and center providers.

An Ounce of Prevention is a curriculum resource to educate adolescents and young adults about preconception health concerns. The first edition was funded by March of Dimes in 1998. Since then, the curriculum was evaluated and updated in 2005 (2nd edition), with more than 900 copies distributed to schools and health educators. Regional trainings and presentations were made to approximately 225 teachers, health educators and professionals.

Community Coalition Projects: the Community Baby Shower provided 100 layettes for newborns of needy families. The layettes are distributed through local human service agencies such as the Howell County Health Department, Family Services, Birthright, and Samaritan Outreach.

The Born To Read program presents a book to all newborns at Ozarks Medical Center. Now in the fifteenth year, this project serves 700 new babies each year.

Participation in the Non-Profit Alliance sponsored by the West Plains Chamber of Commerce, and the West Plains Rotary Club offer opportunities for networking and marketing extension.

The Family Nutrition Education Program (FNEP) University of Missouri Extension (UME) Family Nutrition Education Programs (FNEP) reached 7,258 low-income participants with nutrition education in Howell County during 2012. 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. Back-to-school and other Health Fairs, Food Power and the Pyramid of Power presentation were also featured this year.

During 2012, both youth and adults were served through schools, community groups and agencies. The following is a list of the locations where participants were served:

Schools: Fairview, Glenwood, Junction Hill, Richards, Howell Valley, South Fork, Willow Springs, and West Plains.

Agencies: First Baptist Church Food Bank, Howell County Housing Authority, Samaritan Outreach Center Food Pantry, Everyday Blessings Food Bank, Howell and Oregon County Health Departments, Country Mart, Town & Country Supermarket, West Plains Civic Center, Munch Food Bank, Christos House, Victory Family Worship Center Mission, G&W Foods and Howell County 4-H.

In summary, it has been a successful year in Howell County for FNEP.

Youth/4-H

4-H Youth Growing and Learning: The Howell County 4-H community of 173 youth building life skills, engaging in science, and connecting to community were supported by more than 45 volunteers in 8 clubs. Across the state, one of every five Missourians between the ages of 5 and 18 participated in a Missouri 4-H program in 2012.

4-H Connects Kids to College and a Higher Quality of Life: Missouri 4-H Members are twice more likely to have been on a college campus than their non-4-H peers. MU is by far the campus most frequently visited and 4-H is the second most reported reason to be on the MU Campus (Lerner, 2008). In 2011, MU Extension 4-H connected 8,500 young people age 8 to 18 to University of Missouri campuses and faculty. Being on a campus is a predictor of youth going on to higher education (Hoover, 2006)

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 (Porter, 2003)
- more likely to vote as adults
- more likely to contribute to their community (Lerner, 2009; Zaff et al, 2003)

Youth who earn their bachelor’s degree, increase annual earnings by $2.01 million over their lifetime (Porter, 2003). If 70% of the Howell County members participating in 4-H events on the MU Campus go onto earning their Bachelors, 4-H would help young people earn $24.34 million more of lifetime earnings.

Howell 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, welding, photography, cake decorating, and shooting sports. Clubs also involve children and teens in community service, camping, and educational trips.

Howell County 4-H Clubs
- Bakersfield 4-H Club: 27 members
- Buckin Broncos Club: 15 members
- Koshkonong 4-H Club: 6 members
- Glenwood 4-H Club: 39 members
- Mountain View Eagles 4-H Club: 28 members
- Rhythm Riders 4-H Club: 19 members
- Rockin Ranchers 4-H Club: 13 members
- Zizz Kids 4-H Club: 22 members

4-H special-interest and school programs: Howell County 4-H special-interest programs include conferences, distance learning programs, day camps and other educational activities. Forty-eight youth participated in special-interest programs and activities. Howell County 4-H school enrichment programs are short-term educational experiences that supplement learning in the classroom. Most are led by teachers or 4-H volunteers. This program reached 32 youth in the West Plains School District.

4-H members supported by 45 youth and adult volunteers

Volunteers create, support and are part of the 4-H community. Missouri 4-H volunteers responding to a survey report they contribute on average 100 hours per year. Valuing their time at $18.80 per hour, based on average Missouri incomes, the contribution of Howell 4-H volunteers was worth more than $84,600 in 2012! More importantly, these adults serve as mentors for our youth helping them transition into healthy adulthood.

Community Service: or service to others is a key part of the 4-H program. Howell County 4-H Clubs have a tradition of being involved in their communities, and completed a wide variety of community service activities this year that included visiting nursing homes, canned food drives, making blankets for the Community Baby Shower, helping with grounds maintenance at the Heart of the Ozarks Fair, cleaning streams on the North Fork river, and adopting needy families to help at Thanksgiving, Christmas, and throughout the year. 4-Hers also donated halves of the hogs they raised to families in need and collected toilet items for those in need.

Achievement Day: 173 members, parents, and volunteers were invited to attend this annual event that included personal interviews, project exhibit judging, public speaking, demonstrations, and skills. 125 youth entered exhibits at the 2012 Achievement day.

Howell County Heart of the Ozarks Fair: Over 400 4-H projects and livestock were exhibited and judged at this year’s fair. 4-H/FFFA members entered a combined total of 177 livestock entries and 133 youth sold market animals, reaching over $127,000 in receipts. Raising steers, hogs, goats, sheep, poultry, and rabbits provides a great opportunity for youth to learn about responsibility and agriculture.

Science Days: Four sessions of “Science Days” were offered over the summer serving more than 300 youth. Area youth learned about aerodynamics, forestry, chemical and physical reactions, properties of polymers, and solar energy through hands on activities and demonstrations. Physical activity and team work were also incorporated into the program.


4-H Membership Recognition: Two hundred and eighteen 4-H members, Clover Kids, and volunteer leaders were invited to be recognized for their many accomplishments at the annual 4-H Recognition Banquet. The “Monster Mash” Recognition Banquet featured a pumpkin decorating contest, mummy races, egg relays, apple bobbing, piñatas, a cake walk, 4-H slide show, costume contest, and a hay ride.