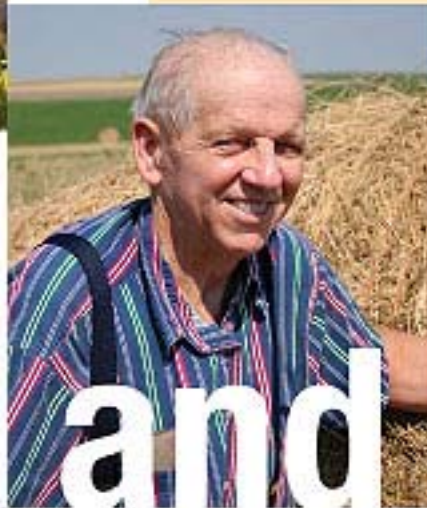


PROGRAM PLAN

July 1 2006 - June 30 2007

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UNIVERSITY OF MISSOURI EXTENSION
JASPER COUNTY EXECUTIVE SUMMARY

live. and learn.

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UNIVERSITY OF MISSOURI
 Extension

Equal opportunity is and shall be provided to all participants in Extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age, disability or status as a Vietnam-era veteran. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or military organizations associated with the armed forces of the United States of America.

Jasper County 2006-07 County Program Plan Overview

“Live as if you were to die tomorrow. Learn as if you were to live forever.” – Mahatma Gandhi

It is the vision of University of Missouri Extension to improve people's lives through relevant lifelong learning.

University of Missouri Extension is your local link to the University of Missouri campuses and to a nationwide network of land-grant universities. Education that meets high-priority needs is our focus. MU Extension uses science-based knowledge and engages people to understand change, solve problems and make informed decisions. Extension is funded through federal, state and county tax dollars. In addition, grants, contracts, fees and private gifts support our educational program efforts.

County Extension Council. In Jasper County, our volunteer advisors – members of the county extension council -- play a vital role in identifying community needs; providing counsel to regional and campus faculty about educational programs and personnel; and assisting in finding resources to support the local educational program. The extension council is statutorily created to work with the University of Missouri in carrying out the local extension program (*Sections 262:550 to 262:620, Revised Statutes of Missouri*).

Plan of Work Process. During fall 2005, University of Missouri Extension embarked on a five-year plan of work process by conducting statewide needs assessments, which included:

- A random-sample telephone survey with 1,005 Missourians;
- Conversations on economic development in 16 locations;
- Conversations with extension councils in every county, including the voices of the Jasper County Extension Council; and
- Conversations with the eight regional extension councils.

The campus Program Directors also reviewed research literature and demographic and economic trends and identified emerging issues for educational programming.

To ensure that the input was representative, we also conducted discussions among underserved audiences across the state. As a publicly funded institution, University of Missouri Extension is responsible for serving diverse populations and for providing access to educational programs for all. Special efforts will be made to reach underserved audiences as identified in the following program descriptions.

Results of all the needs assessments have been reviewed by state and regional extension specialists, extension administrators and county extension councils to determine program directions for the future. The ultimate goals are to determine extension program needs statewide and, on the county level, to match those needs with appropriate, limited resources.

2006 – 07 County Program Plan. After careful consideration of educational needs and available resources, the regional faculty serving Jasper County plan to provide the programs listed in the following pages to residents of Jasper County during 2006-07. The names of specialists slated to deliver the programs and intended program outcomes on a statewide level are indicated. Given limited resources, it is not possible to deliver programs for all the needs identified during the plan of work process. When possible, we will work with you and others on campus and in the community to find additional resources and plan for ways to deliver needed programs in the future. In some instances, needs may be referred to other agencies, organizations or educational institutions that are better equipped to meet those needs. With your support and the support of the Jasper County Commission, every effort will be made to meet high-priority needs and to deliver programs that enhance the lives and livelihood of the residents of Jasper County.

Thank you for all you do to support extension programs in Jasper County.

2006-07 Jasper County Program Plan Executive Summary

The following educational programs are planned for citizens of Jasper County in the coming year. In some cases, Jasper County residents may need to travel to a nearby county to take advantage of the program offering.

AGRICULTURE AND NATURAL RESOURCES (ANR)

MO Crop Management Systems

This program will use multiple delivery methods to target a broad range of learners on various aspects of 21st century sustainable crop production. The major overriding goal for the program is to change the behavior of Missouri producers and improve their management systems in order to remain economically competitive. Additionally, we intend to motivate producers to implement practices that will minimize their impact on the environment. These research based educational programs will assist these learners to improve all aspects of their crop management over a diverse range of crops, soils, farm sizes, and crop management options.

Some major learning needs addressed through this program include:

- Knowledge of available information sources and how to use them in selecting the best crop genetics
- Knowledge of the complex interactions between management choices, including crop choice, planting date, seeding rate, tillage, nutrient management, soil management, pest management, and harvest management.
- Knowledge of how areas covered by other Integrated Crop Management programs (plant protection, genetically improved crops, identity-preserved crops, precision agriculture) fit together and fit into the overall crop production picture.
- Knowledge of the limitations of different sources of information used in crop management decisions.

Personnel: Ed Browning, Patricia Miller

Profit Focused Agriculture

Profit Focused Agriculture targets the following audiences: farmers/ranchers (beginning, primary income, secondary income and transitioning), landowners and agribusinesses/agencies. Landowners includes heirs one or more generations removed from the farm, persons purchasing land for investment or recreation and resident retired farmers. Beginning farmers are individuals starting a primary income or secondary income farm operation. Primary income farmers are individuals whose farm income is the primary source of business and household income including limited resource and ethnically diverse persons. Secondary income farmers are persons whose farm income is important to the household, but it is not the main source of family revenues. Transitioning farmers are existing farmers (primary or secondary income) making major business/life changes including exiting the business or reducing involvement in the operation. Agribusinesses/agencies are entities (commercial and governmental) whose functions impact farm income.

Profit Focused Agriculture is a team effort of state and regional University of Missouri Extension faculty partnering with private businesses, agencies and other educators focused on enhancing the economic viability and sustainability of Missouri agriculture. This will be accomplished through high quality, research based, frontier educational programs designed to increase Missouri agriculture producer's knowledge, skills and abilities in making risk management and strategic planning decisions leading to increased profitability and improved quality of life.

Personnel: Ed Browning, David Whitson, Gordon Carriker

Annie's Project

Annie's Project--Risk Management Education for Farm Women, is a program designed around specific educational and social needs of Midwestern farm women. Farm women, young and old, (ages 19 to 84) participate in the 6 workshops for a total of 18 hours. Teams of instructors, which represent University Extension, government and private agribusinesses deliver educational programming in the five areas of risk: production management, financial management, marketing, legal issues, and human resources. Annie's participants learn about personality characteristics and traits through True Colors. Also, they learn about money management, constructing a business plan, financial documents, marketing, ownership of assets and leasing issues. Instructors not only teach, but also encourage interactive discussion and debate among the women. In this environment women find answers and build their confidence by sharing experiences. To accommodate lively discussion and an environment that fosters questions, the groups remain fairly small in size from 8 to 30 women, with the average size of fifteen. Key local instructors are recruited and trained so women can begin building their teams of professionals and network support.

Annie's Project teaches farm women about computer and internet use to improve their record keeping and decision making skills. In a hands-on environment, women familiar with computers are paired with women who have little or no computer skills. Women with little farm experience are mentored by women with years of experience. Specifically participants are trained to use spreadsheets to improve their decision making abilities and/or lend support to decision makers of the farm operation. Beyond the six week course, the participants continue to serve as mentors to one another, and are given an opportunity to continue their education on-line through Iowa State's Agricultural Management e-School.

Through the Annie's Project class evaluations, instructors identified a few subject areas that participants wanted additional training. This led to the decision to develop an Annie's II focusing on marketing and Annie's III dealing with technology. There is a potential for additional classes in the future.

Personnel: David Whitson, Wesley Tucker

Golden Age Farming

Golden Age Farming incorporates several teaching methods including traditional classroom presentation, small group discussions, DVD, and individual exercises to address farming issues for persons planning to farm past 55 years of age.

The program targets four areas: 1) estate planning, 2) retirement issues, 3) transition planning and 4) To be continued... for the few, the proud, the stubborn Missouri farmer (adapting equipment and much more).

Some farmers have taken steps to create a will or trust, but it may be outdated. Many are unfamiliar with new laws concerning changes in estate tax laws, strategies for maximizing Social Security retirement benefits, and alternative health care options available via long-term care insurance, Medicare, and Medicaid. Farmers, many times are just unfamiliar with the programs and the potential impact upon the farm operation and/or succession of the farm.

Farmers may choose to change farming practices and possibly lease cropland. There are many considerations that need to be evaluated before signing a lease. The considerations are covered in-depth, so participants are more confident in using and understanding leasing as a tool.

As farmers grow older they may need to make adaptations to equipment or hire out certain jobs. There are equipment modifications available, which can make jobs easier, especially as a person gets older and tasks become more difficult.

There is a great need for all partners in the farming operation to understand all of these issues. All decision makers in the farming operation are encouraged to attend together.

The program is designed to be taught in multi-sessions, for a total of 12 hours, with a team of instructors. This is a fee program. All instructors are highly encouraged to use the evaluation tools and contribute class data to the state databank.

Personnel: David Whitson, Gordon Carriker

Farm & Small Business Estate Planning

Estate Planning, like many other issues today, has its own set of jargon that can be difficult for people to understand. Additionally, farmers and businesses face some unique problems related to estate planning that other wage earners do not. Farmers and businesses have a large amount of non-titled assets such as livestock and equipment that is not faced by other individuals. These two issues cause farmers and businesspersons to delay seeking competent advice on their estate and business succession planning. Increasing capital requirements for these businesses has expanded this issue as well.

Missouri's Farm and Small Business Estate Planning is a basic curriculum that was developed by several Agricultural Business Specialists. It is designed to provide basic estate planning concepts and help participants to be able to seek professional help without getting the feeling "they were completely over our heads and we didn't understand what they were saying".

It is designed to be taught as a 3 session, 3 hour each session program or a total of 9 hours of instruction. Topics that are covered in this program include:

Session I: what you'll need to plan your estate; property ownership in Missouri; the family business: organization, operation, and transfer; choosing your advisors wisely.

Session II: probate in Missouri; federal and state estate tax issues; introduction to available estate planning tools.

Session III: continuation of available estate planning tools; special estate tax provisions; long-term care concerns, family communication and starting the process of setting up your estate plan.

This program can be taught in person or via interactive television (ITV). With ITV, a local facilitator is a necessity. The program also can utilize a guest speaker to talk on probate, normally a probate judge. An advanced series is in the planning stage for 2007. It will cover issues such as long-term care and planning strategies in more detail.

Personnel: David Whitson, Gordon Carriker

Value Added Agriculture

Missouri value added agriculture has continued to rise over the past ten years. An example would be the number of USDA value added producer grants that have been awarded. In 2001, one grant was awarded in Missouri for \$136,000 however, in 2005 17 producers were awarded totaling over \$1.8 million dollars. Missouri producers are now realizing the importance of producing a value added product.

The Missouri Value Added Center works closely with Missouri producers on endeavors that the producers would like to explore. The value added organizational structure has seven persons involved. Two persons are located on campus and five persons are Regional Agriculture Business Counselors. The Regional Agricultural Business Counselors have the mobility to freely move across county and regional boundaries. Funding for travel, professional development, leadership experiences, and seed monies for programming are provided through ODF funding. As a team the Regional ABCs are linked through professional development experiences, monthly conference calls, conference phones, and polycom conferencing ability.

The Regional Agricultural Business Counselors (RABCs) work one on one with Missouri producers. The RABCs are out more in the field than the campus persons. Individual phone calls from Missouri producers about a value added idea is an everyday occurrence for the RABCs. The RABCs assess whether the idea has potential to become a marketable product. The RABCs will then provide leadership and expertise as the producers progress towards a finished value added product. When the RABCs are not working one on one with producers, they are attending state, regional and national conferences and workshops. These conferences and workshops allow the RABCs to gain valuable knowledge about value added agriculture.

While the RABCs are out in the field, the on campus persons have a more producer-entrepreneur focus. These persons work with value added groups or commodity associations on projects they are working on to enhance Missouri agriculture. The persons also assist producers in seeking, writing, and coordinating grant opportunities. Now that grants are so important to the agricultural industry, the Missouri Value Added Center (MOVAC) focuses on giving Missouri producers individual consultation during the grant process. After a grant is awarded, MOVAC also assists Missouri producers with the development of a business plan. MOVAC takes pride in working with the producer from the start of an idea to the development and implementation of the business plan.

Personnel: David Whitson

Business Management

The Ag Business Management Program targets the following audiences: farmers/ranchers (beginning, primary income, secondary income and transitioning), landowners and agribusinesses/agencies. This program is a standardized response to educate the intended audience to plan and undertake a business-like approach to the use of their land and resources in an agriculture or farming endeavor. The program would cover such topics as:

Computer as a tool in the business planning and management - developing rations, irrigation scheduling, web resources ...

Financial resources

Business planning, goal setting and risk management

Record Keeping

Marketing

Crop and livestock Systems

Equipment and/or facilities

Legal issues

The Ag Business Program is a team effort of state and regional University of Missouri Extension faculty partnering with private businesses, agencies and other educators focused on enhancing the business management practices of Missouri agriculture. This will be accomplished through high quality, research based, frontier educational programs designed to increase Missouri agriculture producer's knowledge, skills and abilities in making business management and strategic planning decisions leading to increased profitability and improved quality of life.

Personnel: David Whitson

Rural Agricultural Safety and Health

The University of Missouri Extension Rural Safety and Health Program is dedicated to improving the safety, health, and well-being of Missourians involved in agriculture and rural living. Outreach and Extension specialists provide information and educational outreach programs designed to help reduce the number of deaths and disabling injuries sustained by persons living or working in rural Missouri.

The Seasons of Safety Program is an Agricultural Engineering Extension project that is identifying the risks and finding the solutions to make rural Missouri a safer place to live and work.

Various delivery techniques have been used to address the agricultural safety and health education needs of rural Missourians. For example, extension publications have been made available along with the development of an extensive rural health and safety audio-visual lending library. Major farm shows are utilized to demonstrate and disseminate information on safe agricultural work practices. Resource materials are developed and disseminated to expand farm and ranch safety and health programs that address priority safety and health needs in the state of Missouri. In addition, agricultural safety and health educational programs and outreach activities are tailored to meet the specific needs of identified stakeholder operating at the state, national or local levels.

In order to reduce the impact of farm-related accidents, training activities have been carried out across the state. Training materials have been developed and instructor workshops are held to increase the efforts of the University of Missouri Extension Agricultural Safety and Health program. Campus and community-based specialists work collaboratively to provide agricultural safety and health programs for all counties in the state of Missouri.

The University of Missouri Extension Agricultural Safety and Health Programs preserve not only lives but, also a way of life. The lives saved as a result of information gained during safety and health programs also means families stay intact, remain on the farm, and have continued employment. The educational outreach programs have had a positive effect on entire families. Agricultural families also make decisions about what tasks to let their children do based on Extension information and resource materials. We believe there is enough evidence to validate and support that this proposed plan of work will work as outlined for the Rural Agricultural Safety and Health Program.

Personnel: Ed Browning

Assistive Technology for Farmers with Disabilities: Missouri AgrAbility Program

The AgrAbility plan of work addresses priorities identified by Missouri agricultural operators with diseases, disabilities or disorders; rural agricultural families; collaborative partners; and other key stakeholders. Specifically, activities are within the three-program priority areas-education, networking, and assistance as specified by the USDA “Assistive Technology Program for Farmers with Disabilities” request for state-level competitive grant application. The plan of work also addresses marketing activities to direct the public to initiatives in these three priority areas.

Education comprises AgrAbility’s long-term investment strategy. This program has particular interest in educational activities with the following elements:

- (a) Within the context of production agriculture, learning objectives focus on accommodating disabilities and avoiding secondary injuries in persons with disabilities;
- (b) Audience includes health, farm, and government service providers;
- (c) Delivery format include authoring or adapting printable resources, live presentations taught in-person or remotely, and recorded presentations that may encourage audience interaction; and
- (d) Means to appraise instructive efficacy.

Networking depends on education, but networking will eventually make AgrAbility sustainable. The program has particular interest in activities with the following elements:

- (a) Objectives encourage sharing of information among, and the provision of services, value, or funds from, individuals or organizations not employed by AgrAbility;
- (b) Partners include customers, peer supporters, volunteer groups, university groups, stakeholders, and public and private funding organizations;
- (c) Delivery formats include the donation of goods and services of direct benefit to AgrAbility customers; and
- (d) Means to appraise economic value of services rendered to AgrAbility and its customers.

Assistance will satisfy customers' immediate needs that are inadequately addressed by health, farm, and government service providers. This program has particular interest in assistance activities with the following elements:

- (a) Objectives focus on individualized consultative services that increase the likelihood that AgrAbility Project customers and their farm operations experience success;
- (b) Audience includes AgrAbility customers and others working at the same farms;
- (c) Delivery formats include product selection advice, accessibility and ergonomic recommendations, life activities and farm operations planning guidance, and advocacy to obtain service and financial aid. Assistance will occur in person or from a distance; and
- (d) Means to appraise success experienced following intervention.

Marketing does not include education, networking, or assistance objectives but may make key audiences aware of AgrAbility and its initiatives. Appropriate marketing activities have the following elements:

- (a) Objectives concentrate on program or project awareness to the exclusion of information required to provide education, assistance, or facilitate networking;
- (b) Audience includes everyone;
- (c) Delivery formats include public appearances with displays and the production or distribution of program awareness materials, press releases, public service announcements, print advertisements, web pages with awareness content, newsletters, or electronic notices; and
- (d) Means to link these activities with registration, information and consultation requests, and networking successes.

Personnel: Robert Schultheis

Forage Production and Management

The Forage Production and Management program covers the largest agricultural industry in Missouri. This program endeavors to teach Missouri's 90,000 forage producers to better manage their forage resources for improved economic return while protecting the environment. The Forage Production and Management program will reach the target audience primarily through the following curriculums:

- Management-intensive grazing
- Pasture-based dairying
- Year-round grazing management including winter feeding systems and summer pasture utilization
- Fescue toxicosis

Personnel: David Whitson, Gordon Carriker, Patricia Miller. Thomas Hansen

Missouri Grown

While the farm lifestyle is an important part of Missouri's social fabric, it is becoming increasingly difficult for families to remain on the farm. In order for small farms to remain economically viable, producers must shift to higher value crops. The climate, soils and population base of Missouri are conducive to growing of certain fruit and vegetable crops. However, if there is to be a significant increase in commercial production of high value horticultural crops, potential growers will need to learn which crops are best suited to Missouri conditions, how they are grown and what techniques and market niches will make them most profitable. Through workshops, newsletters, field days, grower conferences and other methods, potential growers such as existing row crop and horticultural crop producers will receive information that will allow them to be successful in growing and marketing high value crops such as tomatoes, melons and small fruits. The resulting increase in production will increase the profitability of small farms and enhance the viability of small, farm-based rural communities. Increased availability of safe, high quality locally produced vegetables and fruits will benefit citizens in all regions of Missouri, especially those living in our urban areas.

Personnel: Gaylord Moore, Patricia Miller

Turfgrass Management & the Green Industry

Production and management of turf and ornamental plants is a strong component of Missouri's agricultural economy. Well maintained turf and ornamental plantings enhance the environment and improve the quality of life of urban and suburban residents. Establishment and maintenance of turfgrass for golf courses, green spaces, athletic fields and public grounds employs thousands of individuals as is production, installation and maintenance of ornamental plants. Personnel involved in this industry require considerable knowledge in order to produce and maintain the turf and ornamental plants using effective and environmentally sound methods. Through workshops, field days, Pesticide Applicator Training and other methods, Green Industry personnel will obtain research-based information that will help them identify and resolve cultural and pest problems in using cost effective and environmentally sound methods. The audience will include golf course superintendents, sportsturf managers, public grounds managers, nursery and greenhouse growers, landscapers and garden center operators.

Personnel: Gaylord Moore

Dairy Production Systems

The dairy extension program involves providing current information to clientele in the area of : dairy nutrition; dairy cattle facilities and management; farm expansion; labor management; improved dairy cattle genetics; improved dairy cattle health; dairy cattle waste management; reproductive health and management and dairy records. A sustainable infrastructure is critical to the success of dairy businesses. Extension programs also involve a number of industry related organizations. Some of these are:

1. Missouri State Department of Agriculture
2. Missouri State Milk board
3. Missouri Holstein Association
4. Missouri Department of Natural Resources
5. Missouri Dairy Herd Improvement Association
6. Natural Resource and Conservation Service
7. Missouri Dairy Association
8. Missouri Dairy Growth Council

Extension programming must address the needs of the total industry. There are approximately 70 dairies of over 200 cows and these farms will hire several employees.

These dairies use consultants for standard production practices such as nutrition, veterinarian services, and accounting.

Many of our traditional dairy producers look to extension for education assistance in both short term and long term management decision making. They seek assistance in areas of:

Nutrient management
Waste management
Building site location/design/ systems application
Financial planning/ expansion
Labor management
Veterinary management
Reproductive management
Milk marketing
Feeds and Nutrition

In some of the areas of Missouri the dairy infrastructure is weak or nonexistent therefore extension provides a valuable education link for resources needed.

Personnel: Stacey Hamilton, Tony Rickard

Beef Production Systems

State and regional livestock specialists regularly respond to a wide range of informational requests from beef producers throughout the state of Missouri. Types of information requested by beef producers can be classified in to a number of categories by discipline. A list of these categories and programmatic descriptions are provided below. The list illustrates the breadth of knowledge required by beef producers today as well as the value of the multidisciplinary expertise possessed by MU extension livestock specialists.

1. **Animal Health:** Provide advice, educational material and planning assistance for the control and prevention of a variety of diseases that affect beef cattle. Strategies for disease prevention include proper sanitation of animal housing and containment facilities, aseptic administration of management protocols (dehorning, castration, etc.), appropriate vaccinations, and quarantine of purchased animals. Vaccinations commonly administered include those to control brucellosis, clostridial diseases, venereal diseases, bovine respiratory disease complex, and Bovine Viral Diarrhea. Provide advice on the treatment of animals with anthelmintics to control internal and external parasites. Provide advice to aid in the control of possible disease transmission vectors, improve farm biosecurity, and implementation of industry recognized 'quality assurance' programs. Aide producers with site evaluation and identification of specific plant species and situations which result in toxicity of feed stuffs. Provide information on emerging animal health issues including Johne's disease, bovine spongiform encephalopathy, and tuberculosis.
2. **Nutrition:** Provide reference materials, training and formulation of age and class appropriate feed rations utilizing a wide variety of available feedstuffs, including commodity by-products, to meet herd nutritional demands.
3. **Reproductive physiology:** Provide advice and reference materials on a variety of estrus synchronization protocols and Artificial Insemination breeding systems.
4. **Breeding and Genetics:** Provide educational materials and recommendations on sire and replacement female selection, and crossbreeding systems. Assist producers in the design of a performance record collection system. Aide in analysis and interpretation of various performance records and genetic predictors including Expected Progeny Differences and DNA marker tests.
5. **Animal Behavior/Facilities Design:** Aid producers in evaluation, design and operational strategies of a variety of animal containment and restraint systems to improve the safety and efficiency of these facilities for both animals and their handlers.
6. **Live animal marketing:** Help producers understand issues affecting the marketing of live animals and the beef marketing complex. Aide producers in evaluation of marketing strategies, including retained ownership, to capture increased value of animal products resulting from management protocols including source, process, genetic and age verification.
7. **Production records, analysis, validation:** Aid producers in the development of effective records systems, especially those designed to enhance value, meet quality assurance program requirements, national animal identification goals or meet requirements of Quality Systems Assessment (QSA).
8. **Systems Management:** Assist producers in development of their understanding of the various interactions and management of farm resources including livestock, labor, finance, marketing, nutrition, the environment, and animal health.

Personnel: Ed Browning, Dona Funk

MO-PORK: Increasing Pork Production in MO

The MO-Pork program will work with Missouri Pork Producers in applied research and education practices resulting in application of management protocols and strategies to enhance nutrient utilization, reproductive efficiency, and management of swine. This will include, but is not limited to, diet formulation, feeding management, nutrient utilization, gilt development, management of the lactating and early weaned sow, boars in artificial insemination systems, alternative feed ingredients, evaluation of new feed ingredients, grain quality, antibiotic alternatives, animal welfare, evaluations of feeders, and evaluations of water such as utilization, drinkers, and quality. Work will be aimed at impacts of early pig performance on future production efficiencies (pigs per sow per year, cost of production, whole herd feed efficiencies) as well as the more immediate measures such as piglet weaning weights, death loss, pigs weaned per sow, and growth performance just to name a few production measurements. Additionally, work will move toward understanding and abatement of impaired reproduction in females and males seasonally and establishing diet formulations aimed at optimizing nutrient requirements for pigs during all phases of the life cycle.

The MO-Pork program will educate and evaluate feeds, ration management practices as well as provide detailed recommendations for their implementation on their specific pork operations. Adopting more efficient feed management practices will assist Missouri pork producers to enhance the profitability and viability of their operations. The ability of pork producers to adopt feed management recommendations and implement the associated technologies depends on the genetic background of the pigs, facility design, labor required, financial constraints and the management goals of the pork operation. The Mo-Pork program works closely with Regional Extension Livestock Specialists and progressive swine producers in Missouri who request programming efforts in the area of improving production performance such as optimizing nutrient requirements with particular emphasis on phase feeding practices and increasing pregnancy rates. Therefore, working together with Regional and State Specialists in the MO-Pork program has provided a comprehensive evaluation of Missouri pork operations.

Personnel: Dona Funk, Gary Naylor

Missouri Show Me Quality Assurance

The Missouri Show Me Quality Assurance Program consists of two presentations and an activity box.

- The first unit covers information on daily care and management; animal handling; farm/animal identification (Premise ID); reading feed labels; withdrawal times; and biosecurity (disease prevention).
- The second unit provides information on HACCP; animal health products; proper injection locations; carcass quality; and carcass value.
- The activity box will include “Show and Tell” items and “worksheets”. The items will include identification tools, burred needles, feed labels, medication bottles, and laminated photos. The worksheets will include several hands-on activities. The design of the program will be up to the individual educator and might not even utilize the power point presentations.

The Missouri Show Me Quality Assurance program will be taught by Regional 4-H Youth Specialists, Livestock Specialists, or Vo-Ag Instructors.

- All youth who exhibit food production animals (beef, dairy, goat, poultry, rabbit, sheep, and swine) are required to be certified in the Missouri Show Me Quality Assurance Program in order to exhibit at the Missouri State Fair.
- Program will be approximately two hour training.
- Those youth 14 yrs and older by January 1st, who are Pork Quality Assurance (PQA) certified will be grandfathered into the Missouri Show Me Quality Assurance Program.
- Certification can be obtained by attending a face-to-face program for two consecutive years. The certification will be good until the youth is 14 yrs old.
- As of January 1st, youth 14 yrs and older who become certified will be certified for the duration of their exhibition career.

- Recertification will need to be obtained after a youth is 14 yrs of age. The recertification can be obtained online or through a refresher course (face to face program, skillathon, etc).

Program Outcomes

The main objective of the Missouri Show Me Quality Assurance Program is to increase the knowledge and awareness of Missouri youth about food quality issues related to animal production.

- Youth will acquire knowledge in nutrition, safety, housing, production, food chain, and record keeping.
- Youth will acquire skills to aid in the successful adoption and implementation of existing management practices or emerging technology to improve food safety and wholesomeness.

Personnel: Dona Funk

Equine

This program will reach at least 200 owners of horses in Missouri. Participation at workshops and seminars will be recorded. Change in behavior is extremely difficult to measure in this audience, so satisfaction surveys of program participants will be the primary tool used for evaluation.

Personnel: Dona Funk

Sheep & Goat Production

Impact resulting from the Sheep and Goat Production System will benefit Missouri citizens from knowledge, skills, practices and policies that enhance the economic viability and profitability of participating Missouri producers. The overall program goal of Sheep and Goat Production System is to improve the competitiveness and diversity of Missouri production enterprises, which will increase the number and types of sheep and goat enterprises in operation and net value gained among those enterprises. Therefore, participants and the state of Missouri will benefit from the program, which offers educational and technical materials that will aid in prosperity especially in the rapid development of the U.S. Sheep and Goat industry. Topics to be covered will be:

- Ideal production and management practices
- Genetic improvement considerations
- Breeding management
- Nutrient and feeding recommendations
- Herd health assessment
- Housing and welfare practices
- Environmental considerations
- Governmental programs available
- Production Strategies for Profit Minded Producers
- Marketing strategies
- Forage and Grazing Systems
- Wool and fiber production

Personnel: Dona Funk

Missouri Master Naturalist

MU Extension, the MU School of Natural Resources and the Missouri Department of Conservation (MDC) have developed a partnership to develop and implement a collaborative educational program that serves to train and develop a corps of “Master Volunteers” (modeled in some respects after the Extension Master Gardener Program). The Missouri Master Naturalist Program provides the framework for conducting volunteer educational programs dedicated toward the beneficial management of Missouri’s natural resources and provides opportunities for volunteer service within their respective community.

The program has been developed to:

- Improve citizens understanding of natural resource ecology and management through the development of a volunteer education program that can be used to enhance educational efforts within the local community;
- Enhance existing natural resource education and outreach programs by providing opportunities for volunteers to conduct community service through a science-based natural resources educational program that promotes life-long learning experiences.

Personnel: Ed Browning

Energy Conservation, Efficiency & Alternatives

The Energy Conservation, Efficiency and Alternatives Plan of Work addresses priorities identified by counties including, utilization of biofuels, alternative liquid fuel sources, and renewable energy. It specifically aims to help agricultural producers get the information needed to adopt biofuels, to help producers consider alternative cropping systems that will supply biomass for consumers who wish to utilize clean renewable alternative fuels, to help innovators to adopt energy alternatives such as wind and solar for rural buildings, and generally to promote responsible management of energy through energy conservation, energy efficiency, and adoption of alternative and renewable fuels.

Personnel: Ed Browning, Jeffrey Barber

Individual Wastewater Systems - Implications for a New Rural Generation

University of Missouri Extension is working effectively with other agencies to provide installers, real estate professionals, and home-loan inspectors with research-based information on the function of on-site septic systems, use of alternative systems, and how soils play an important role in site selection. More than 1,200 on-site sewage installers have received certification through the Missouri Department of Health for attending on-site classes. Over 500 real estate professionals and home-loan inspectors have attended classes to improve their skills at identifying and evaluating on-site sewage systems before land transfers take place.

On-site sewage installers, lending institutions, real estate professionals and home-loan inspectors are in need of research-based information relating to on-site sewage systems. The training allows them to perform their inspections and installation of on-site sewage system more effectively. UM Extension has developed a program directly aimed at teaching the basics of on-site sewage systems and how these issues affect each of their professions. Real estate professionals and appraisers can receive six hours of Professional Education Credits (PECs) for attending the class and home inspectors and wastewater professionals can receive 4.5 hours of PECs towards their continued education needs.

Personnel: Robert Schultheis

Your Farm - Your Resources - Your Business

This program is a standardized response to the attempts of many new or beginning landowners to plan and undertake a business-like approach to the use of their land and resources in an agriculture or farming endeavor. Program delivery generally would be through a classroom setting, in multiple sessions (generally six to eight). Presentations generally would be expected to be face to face, but could also be expanded to include ITV, videotaped presentation, or in certain situations, teleconferencing. The intent of the program would be to provide the intended audience with information related to what is possible, what is feasible, and what is legal for the use of their land. Recognizing the varying capabilities of the land across various sections of Missouri, the program content would necessarily be adapted to the part of the state in which it was conducted. This might also cause some adjustments in the length of the offering itself.

The offering would be expected to include, but not be limited to, sections on the following topics:

- Financial resources available through agriculture agencies
- Business planning, goal setting and risk management

- Soils and their productivity locally
- Matching your crop or livestock to your “place”
- Equipment and/or facilities needs
- Legal issues constraining your land use
- Missouri’s natural resources will be managed in an environmentally sound manner

Personnel: David Whitson

Master Gardener

Gardening is the most popular hobby in the U.S. There is a growing awareness both among the general public and health professionals of the importance of plants to the physical and psychological well being of people. In addition to aesthetically improving the environment around the home, planting of turf, trees, shrubs, perennials and flowers reduces energy costs, provides exercise and a sense of accomplishment and adds value to the home. Fresh fruits and vegetables produced in home gardens are a healthy supplement to the diets of many Missourians. Gardening also fulfills a need on the part of people several generations removed from the farm to work with the soil.

As a result of the popularity of gardening, there is a tremendous demand for horticultural information by the Missouri homeowners. During some months, Extension centers have difficulty answering the hundreds of requests for horticultural information that they get in a timely manner. Also, homeowners may seek gardening information from sources that are not well qualified to answer their questions. Master Gardeners raise public awareness of University of Missouri Extension as a source of unbiased, research based gardening information.

The Master Gardener program provides in depth horticultural training to individuals throughout Missouri and who then volunteer their time applying what they have learned to help others in their communities to learn about gardening. To become trained as a Master Gardener, an individual must attend a 30 hour Core Course Training. Then the Master Gardener trainee is required to give 30 hours of volunteer service back in approved University of Missouri Extension activities. A large percentage of volunteer hours is dedicated to providing assistance with the heavy workload of horticulture questions in county Extension offices. Through activities such as Extension hot lines, workshops, speakers bureaus, garden show booths and demonstration projects, Master Gardeners provide gardening information to thousands of Missourians each year.

Personnel: Ed Browning, Gaylord Moore, Janet LaFon

Pasture Based Dairy Systems

The objective of the planned program to promote, enhance and encourage the development of economically viable and sustainable forage based dairy production systems in Missouri. The goal of the program is to improve and enhance the economic viability and profitability of Missouri’s family dairies. Economic data collected from 12 participating cooperators since 1999 clearly show a profit margin adequate to support a farm family on the dairy. Average size of the cooperating dairies is 100 cows, with the largest at 270 cows managed under an intensive grazing management system. The six year averaged operating margin reported was \$822/cow. From this operating margin, interest, principal and unpaid family living is paid.

Pasture based dairying fit well into Missouri’s agriculture as grass is a natural renewable resource. It is important the grass is managed as to consistently provide high quality forage to the lactating herd.

This type of management system has a low capital requirement for facilities; therefore most capital is invested into income generating dairy cows and land which does not depreciate. Dairy producers wishing to profitably manage a grass based dairy need to acquire business skills in financial management, agronomic skills in learning what constitutes high quality pasture forage and animal husbandry skills enabling the entire herd to calve in a 60 day window in spring so the cows all can be dried off in late December. This two month vacation from milking is very attractive to producers providing quality family time.

Core groups learn the essential skills to successfully manage a grass based dairy. These dairy producers in turn are able to share their learned skills with other neighbors. Presence of the grass based dairy at the University of Missouri Southwest Experiment Station at Mt. Vernon has greatly reinforced adoption of successful forage production practices and management of the dairy cows by clientele.

Educational methods used are monthly pasture walks, transfer of grazing management technologies, Dairy Grazing Conference, forage management demonstrations, classroom style meetings, peer groups, and individual instruction.

Personnel: Stacey Hamilton, Tony Rickard, Wayne Prewitt

Show-Me-Select

Many of the industry related issues confronting modern beef production ultimately begin with selection and management of replacement beef heifers. Future programming related to continuation of the Show-Me-Select Replacement Heifer Program will therefore involve a wide spectrum of issues that currently confront beef producers in Missouri. The program will address a number of topic areas using multiple delivery methods to target program participants representing a wide range of backgrounds. Diversity among producer participants will include differences in herd size, forage availability, level of management, years of experience in the industry, level of education and more. The primary goal for the program is to improve economic viability and resulting competitiveness of Missouri beef producers resulting from improvements in herd management and genetics. A primary aim in accomplishing this goal is the long-term sustainability of farms and ranches involved with the production and sale of beef cattle in concert with environmental stewardship of the land and water resource. Educational programming will assist learner participants in various aspects of beef herd management beginning with the heifer portion of the calf crop. Programming areas will address a range of learning needs and include:

- Knowledge of principles involved with breeding/mating decisions that will result in improved genetics of heifers retained for breeding purposes
- Knowledge of herd health management that will improve biosecurity of farms and ranches involved in the cow-calf enterprise
- Knowledge of improved methods of reproductive management that include estrus synchronization, artificial insemination, and embryo transfer
- Knowledge of nutritional management of replacement beef heifers that is important to long-term production and reproductive efficiency\
- Knowledge of economics related to replacement beef heifer development and marketing
- Knowledge of proper animal identification that will support on-farm record keeping and contribute to biosecurity and product traceability

Personnel: Dona Funk

Premier Beef

The Premier Beef Program was initiated in the spring of 1998, at a time when approximately 7% of fed cattle in the United States were traded on some type of negotiated, merit-based pricing system (NCBA Public Policy Center – 2000). The initial goals of the program were to educate small-herd beef producers in the concepts of value-based feeder calf marketing and to institute regional feeder calf marketing alliances. The value-capture concepts taught to program participants focused on herd health, growth, uniformity, market power, retained ownership, and customer relations. In order to meet these initial goals, program leaders spent numerous hours working with individual cooperatives to teach members the marketing and management skills necessary to capture the value associated with superior nutrition, health, growth, uniformity, and carcass merit of feeder cattle.

Personnel: Dona Funk

Quicken For Farmers

Quicken is an easy-to-use, flexible software tool that integrates financial and ag production records, Quicken is a popular, inexpensive record-keeping package that is user friendly. Quicken is easy for people unfamiliar with accounting terms to use, making it a good place to start when changing from a hand-kept cash accounting system to computerized records.

Quicken can readily be adopted for large and small farms and businesses. With a variety of editions to choose from the buyer has the opportunity to purchase the system that fits their needs.

Personnel: David Whitson

Legal Concerns for Rural Landowner

Missouri has had an influx of persons that are moving into rural areas, whether there are those moving from the city into the country or agricultural producers moving to Missouri, primarily for lower priced land. There are also those landowners whom have purchased land for recreational purposes or are descendents of farmers who have maintained their ownership presence in rural areas. The majority of these individuals have little or no knowledge of the laws and traditions that relate to land ownership in this state. At the same time, liability issues and other legal concerns faced by these rural residents have continued to increase.

These groups of individuals as well as existing farmers and rural landowners have a difficult time understanding all of the laws and regulations they need to know. In at least one case (fence and boundaries), there is more than 1 law that covers Missouri which makes learning even more complicated. These issues have led to a critical need for education in several areas. These fit together in a program known as Rural Landowner Legal Concerns.

Rural Landowner Legal Concerns is designed to be a 6 or 7 session workshop or can be divided into individual sessions or topics. Rural legal issues that will be addressed are:

- Missouri's Fence & Boundary Laws (including the Purple Paint Law)
- Land Leases and Contracts
- Government Programs impacting landowners
- Employers, Employees & Others (including liability questions)
- Environmental Regulations and Issues
- Livestock Ownership Concerns & Overall Risk Management Strategies

This is a basic curriculum that is designed to give participants an understanding of their legal rights and responsibilities so they are better prepared to own land in rural Missouri. It is not designed to serve as a substitute for competent legal advice in specific instances!

This program can be taught in person or via interactive television (ITV). With ITV, a local facilitator is a necessity. The program also can utilize a guest speaker to talk on insurance in particular.

Personnel: David Whitson

BUSINESS DEVELOPMENT (BD)

Starting a Business: The First Steps

This three-hour offering will provide you with an overview of the critical first steps associated with starting a business. It is designed specifically for those who are thinking about a new business venture.

Participants will assess their strengths and weaknesses in terms of business ownership, learn about the importance of planning, discuss legal and regulatory requirements and identify sources of funding.

Discussions are facilitated by business counselors who will help you examine your individual situation, explore opportunities and discover new ideas. You'll learn from other participants and have a host of valuable resources available to you.

Personnel: Verna Lorton

Small Business Development Counseling/Coaching

No description available

Personnel: Verna Lorton

COMMUNITY DEVELOPMENT (CD)

Community Emergency Management

The Community Emergency Management Program provides a program of resources, personnel and educational programs and materials to support the mission of the Governor's Disaster Recovery Partnership (established 1993) and develop the capability to assist communities and citizens in all areas of emergency management. The program, in partnership with the Fire Rescue Training Institute, provides educational programming and technical assistance to federal, state and local entities, professional and non-profit organizations, businesses and educational institutions.

Personnel: Ed Browning, Jeffrey Barber, Robert Schultheis

Vision to Action: Take Charge Too

The Community Action Planning program is designed to enable groups, organizations, and communities to develop a vision, identify priorities, develop an action agenda, and successfully develop and implement programs and projects. The program is based on a curriculum called Vision to Action Take Charge Too. The program provides a structure for the development of ongoing processes that enable leaders and community members to collectively vision, plan, and implement their futures.

Personnel: Jeffrey Barber

Community Enterprise and Entrepreneurship Development

CEED (Community Enterprise and Entrepreneurial Development) has been developed out of a renewed interest in economic development and entrepreneurship on the part of the University and Extension, and comprises a fresh approach in particular to rural community revitalization through a special partnership between the University of Missouri Extension and the Rural Policy Research Institute (RUPRI). CEED is a cross-disciplinary program to stimulate entrepreneurial communities and foster a climate of entrepreneurship locally, regionally and statewide. CEED seeks to:

- Facilitate entrepreneurship as an economic development strategy
- Work in selected settings to develop models of excellent entrepreneurial community practice
- Enhance capacity and effectiveness of community members to support entrepreneurship
- Help communities respond to the needs and plans of their entrepreneurs
- Build on existing Missouri collaborations, and foster new cooperative efforts on the University and community level
- Develop advanced entrepreneurship skills among Extension specialists
- Share knowledge and learning that encourages the enhancement of local economies and quality of life through entrepreneurial efforts.

Personnel: Jeffrey Barber

Alianzas

Between 1990 and 2000 the Latino population in Missouri increased by nearly 92 percent. Since 2000, these increases in Latino population have continued. Latinos have come to Missouri to work and to find educational opportunities for their families. Challenges facing these new immigrants include language and cultural differences and low-pay employment. Communities with increases in Latino populations also have challenges. For example, schools must refocus their resources to students that do not speak English; social services must find shelter and health care for families; communities receiving immigrants need help in learning about cultures that are new to them.

Personnel: Virginia Hopp

Cambio de Colores

Cambio de Colores focuses on some of the issues that Missouri confronts as a result of demographic changes reflected in 2000 Census. The Cambio de Colores Conference does this as it:

1. Assesses the changes brought about by the presence of new Latino urban and rural settlers in every region of Missouri.
2. Connects those with a research interest in Hispanic issues with the people, organizations, and communities that can benefit from their research.
3. Provides a forum for the professional development of people working with the Hispanic community.
4. Focuses research resources on understanding the challenges presented by Hispanic immigration to Missouri.
5. Provides forum for sharing the results of research being conducted in Missouri.
6. Coordinate the development of educational resources at the University of Missouri that is addressing the educational needs of Hispanics in Missouri.
7. Informs the research agenda for those interested in studying issues related to Hispanic immigration in Missouri and the Midwest.
8. Forum for sharing relevant scholarship and best practices and identifying the knowledge and service gaps that need addressing.

Personnel: Virginia Hopp

Southwest Region News Service

Southwest Region News Service uses local Extension faculty to inform the public of programs and issues impacting our communities, families, farms, homes and businesses. Subscribe now and receive a free weekly e-mail of news specific to southwest Missouri. This involves the production of a weekly e-mailed package of media releases, 2 regular weekly newspaper columns, various special assignments, an active website with surveys and work with various media organizations and newspapers.

Personnel: David Burton

HUMAN ENVIRONMENTAL SCIENCES (HES)

Successful Aging

The Successful Aging program will provide educational resources to support successful aging and to strengthen the aging family.

Personnel: Tamara Roberts, Virginia Hopp

Rent Smart

This program is a teaching guide designed to be the core of a community tenant education program. Rent Smart stresses information that can help participants succeed as tenants and avoid confrontations and legal hassles. The program includes guidelines and worksheets for participants and uses role-playing exercises to train participants in conflict resolution as part of responsible renting.

Personnel: Janet LaFon. Jeffrey Barber

Focus on Kids

More than half of all marriages end in divorce, and the majority of these involve children. Conflict between parents, both before and after a divorce, is associated with many negative outcomes in children. The purpose of this workshop is to help parents learn how to nurture and support their children during and after their divorce.

Personnel: Virginia Hopp

Basic Parenting

Basic Parenting is a comprehensive approach to parent education that incorporates simplicity and flexibility in its emphasis on learning the basics or fundamentals of parent-child relationships. The program is based on the National Extension Parent Education Model, a collaborative effort by parent educators throughout the country to find common ground on priorities in parent education. This model identified six general categories or pathways for parent education: care for self, understand, nurture, guide, motivate, and advocate. Resources in Basic Parenting are distributed to provide depth in each of these areas.

Basic Parenting was designed for parents who are struggling with child rearing challenges, though all parents are likely to find its playful approach to learning about children both interesting and useful. Although written at about fifth grade reading level, the material is appropriate for use with college educated audiences. Complex ideas are reduced to their simplest, most fundamental elements.

Personnel: Virginia Hopp

Parenting the Second Time Around

A workshop series for grandparents, relatives, and others who are parenting again.

Personnel: Virginia Hopp

Family Meals

The Family Meals program addresses the positive outcomes of health, finances, and relationships that can occur when families consume meals together.

Personnel: Tamara Roberts

Workshops on DESE Pre-K Standards

Missouri's "Build Better Child Care" program improves child care quality via research-based educational workshops that focus on developmentally – appropriate strategies for getting along with children and arranging learning environments.

Program Outcomes

Short term: more awareness of developmentally appropriate learning environments and activities.

Personnel: Virginia Hopp

New Staff Orientation

Missouri's "Build Better Child Care" program improves child care quality via research-based educational workshops that focus on developmentally – appropriate strategies for getting along with children and arranging learning environments.

Personnel: Renette Wardlow, Virginia Hopp

Child Care Program Administration

Missouri's "Build Better Child Care" program improves child care quality via research-based educational workshops that focus on developmentally – appropriate strategies for getting along with children and arranging learning environments.

Personnel: Virginia Hopp

Indoor Air Quality

No description available

Personnel: Jeffrey Barber

Food Preservation

The food preservation program will answer consumer questions and teach safe food preservation techniques. Opportunities for food preservation programming happen sporadically throughout the state. Extension will deliver food preservation lessons based on safe food handling research.

Personnel: Tamara Roberts

Money Action Plan

A curriculum to address the need for financial management education. A train-the-trainer curriculum, targeting helping professionals who are working with people having money problems. Includes seven modules: introduction to money management, developing a spending plan, record keeping, credit, communication about money, insurance and consumer issues. Each module includes background information as well as activities, handouts and worksheets for one-on-one or group settings

Personnel: Janet LaFon

Women's Financial Issues

The Women's Financial Education Series (WFES) is a multi-session workshop that helps women to:

- Improve money management skills

- Increase current levels of financial knowledge

- Develop confidence in decision-making abilities

- Gain control over lives by taking control over their finances

Personnel: Janet LaFon

Financial Success

The Financial Success debtor education program will help you:

- Meet your bankruptcy education requirement

- Improve your financial management skills

- Get more from your money

Personnel: Janet LaFon

Financial Security for Later Life (FSSL)

Financial security is the ability to meet future needs while keeping pace with day-to-day obligations. Preparing for retirement and potential long-term care costs takes planning, saving, and debt control. This Cooperative Extension initiative seeks to help people improve personal finance behaviors leading to financial security in later life, enhance the capacity of local educators and their partners to deliver effective programs, and increase economic vitality and quality of life for families and communities

Personnel: Janet LaFon

Estate Planning

No description available

Personnel: Janet LaFon

Jump Into Action

Jump Into Action is an educational program designed to reduce the increasing development of Type 2 Diabetes in elementary aged children by improving their knowledge, self-efficacy, and behaviors regarding Type 2 diabetes prevention.

Personnel: Terry Egan

Family Nutrition Program

FNEP is nutrition education for individuals and families.

Nutrition educators meet participants in homes, schools, and at agencies.

Children learn all this and more:

Trying new foods is fun!

Healthy food from the start, comfort food for life;

Physical activity is fun; do what you like best;

Food safety means better health;

Health means lots of energy to play and learn

Personnel: Terry Egan

Expanded Food & Nutrition Education Program

The Expanded Food and Nutrition Education Program (EFNEP) is a nutrition and physical activity program targeted to limited resource audiences. This program provides education in homes and community settings. Program participants receive 6-12 lessons over the course of the program. The primary audience for EFNEP is adults.

Personnel: Mary Pennington, Tamara Roberts

Food Power

Food Power Elementary school students travel the path food takes from the farmer's field to the sports field and learn where the food they eat comes from and how it gives them the energy to grow and play.

Personnel: Terry Egan

Stay Strong, Stay Healthy

Stay Strong, Stay Healthy is an eight week strength training program for middle-aged and older adults. The program's goal is to improve health and quality of life. The program incorporates warm-up exercises, strengthening exercises, and cool down stretches. Over the eight weeks participants learn exercises to improve strength and balance.

Personnel: Tamara Roberts

Dining with Diabetes

Eat Well, Be Well with Diabetes (Dining With Diabetes) is a four-session series that provides people with type 2 diabetes, their family and friends, with tools for the self-management of diabetes. The series focuses on nutrition, the cornerstone of diabetes management, but also reviews other self-management strategies that can help individuals avoid diabetes complications. Food demonstrations and tasting are included.

Personnel: Tamara Roberts

Health for Every Body

Health for Every Body is a multi-session workshop designed to move adults away from diets to a non-diet or health promotion approach to living in a healthy body. Using a variety of educational strategies individuals gain new attitudes, learn new information and develop new skills related to appreciating self and others, healthful eating, and active living.

Personnel: Tamara Roberts

MAFCE

Family and Community Education is an organization with historically close ties with University of Missouri and Cooperative Extension. This is a good organization that makes positive contributions to families and communities across the state. This organization supports the programming of Human Environmental Sciences.

Personnel: Janet LaFon

Home Buyer Financial Education

In order to be eligible for Community Commitment mortgages, first-time home buyers must participate in eight hours of home buyer education conducted by a nonprofit organization that has educators with a minimum of 5 years of family financial education experience and a strong supporting academic background. Experienced University of Missouri Extension Family Financial Education specialists are well positioned to deliver this training.

Often, home ownership is one of the first steps for family financial stability and security. Participants, to date, are primarily underrepresented audiences for Extension.

- All are limited resource borrowers with incomes at 80% of median county income or less
- One-third of those attending are minorities
- More than 80% of those participating are young adults between the ages of 18 and 40. Many have young children in the home.

Participating University of Missouri Extension office support staff and presenters must adhere to strict confidentiality requirements as well as process appropriate forms prior to class and following class within program timeframes.

The curriculum is based on Fannie Mae and University of Missouri Extension publications

Personnel: Janet LaFon

School Wellness

Educate teachers and resource staff about ways that they can comply with the new wellness policies. This program will help educators implement a school wellness policy.

Personnel: Tamara Roberts

4-H YOUTH DEVELOPMENT

Physical Activity and Recreation

A33 Healthy Lifestyles

As the saying goes, “when you have your health, you have everything!” Health is the fourth “H” in the 4-H Clover and a common topic for youth today. Nutrition, physical fitness and emotional well-being are just some of the health issues that contribute to healthy lifestyles for all individuals. The following resources provide interactive activities that promote health for youth. Youth can learn about healthy lifestyles, learn about themselves, and have fun!

The Couch Potato Challenge: The goal of this resource is to provide information about physical fitness and hands-on fitness activities. Promote physical fitness by including these simple and easy-to-use activities in club meetings, camps, school programs or any other setting that includes young people. Help them take the Couch Potato Challenge and engage in more physical activity.

Steppin’ Out: Fitness Walking: Walking offers a simple yet healthful approach to physical activity – one that almost anyone can achieve. Help youth practice healthy behaviors by walking, either solo or with a group. This resource provides walking information and activities designed to inspire healthy behavior!

Healthy Lifestyles

If hitting a strike is a good thing or getting the lowest score is something you’d like to attain, then join us for either bowling and/or golf. These two sports are ones that you can play your whole life – so you can start now and improve your technique through the years. Plus, they are sports where your friends can join you and you can have fun playing together, not against each other.

Personnel: Jerry Davis, Teresa Bishop

Youth Entrepreneurship

Adult staff and volunteers will facilitate youth ages 8 to 19 to learn through projects, camps and educational events entrepreneurial knowledge and skills.

Program staff will facilitate learning through curricula, workshops and conferences to help parents, caregivers, volunteer leaders and staff of other youth serving organizations to gain skills to promote children’s and youth’s entrepreneurial knowledge and skills.

Personnel: Robert McNary

Creating Environments for Positive Youth Development

Through workshops, volunteer forums, leadership roles and web-based instruction, state and county extension faculty will help adult and youth volunteer leaders gain knowledge and skills to communicate, manage programs, design and deliver education events, develop interpersonal skills and create environments that promote positive youth development.

Communications – Volunteers demonstrate the ability to create, deliver and interpret information through formal and non-formal means. These skills include:

- Listening
- Non-verbal
- Writing
- Speaking
- Electronic Media
- Marketing and Public Relations

Personnel: Teresa Bishop

Adult Volunteer Leadership Roles

Through workshops, volunteer forums, leadership roles and web-based instruction, state and county extension faculty will help adult and youth volunteer leaders gain knowledge and skills to communicate, manage programs, design and deliver education events, develop interpersonal skills and create environments that promote positive youth development.

Letters to New Leaders

For those of you who are considering or have become a volunteer 4-H leader, the series of “Letters to New Leaders” was designed to help you in your efforts.

Letter 6 – Opportunities for 4-H Leaders - Youth leaders.; Opportunities at the county/club level.; Opportunities at the regional and state levels.; Opportunities at the national level.; Other resources for 4-H leaders.; Thanks for volunteering!

Make the Best Better Series – Each module contains a PowerPoint presentation, Guidelines, Handouts and Quiz

•Module 8: 4-H Leadership Team - Designed to help you share information regarding establishing a leadership team for the club.

Recognizing Volunteers – Describes ways of recognizing the importance of a job; the quality of the performance, or the person or group that performed the job.

Leadership Roles – Provides information about establishing a leadership team to share the club organizational responsibilities

Club Coordinator (PDF) – Describes the possible roles of the club coordinator and includes a brief explanation of the volunteer management model of ISOTURE (identify, select, orient, train, utilize, recognize and evaluate)

4-H Project Leader – Describes the role and responsibilities of a project leader.

Project Leader Media Presentation – PowerPoint slide presentations describing what is involved in being a project leader

You are a 4-H project leader. Now what?

Ages and stages for project leaders

Teaching project demonstrations skills

Teaching project judging skills

Personnel: Lynda Dumond, Robert McNary

Developing Youth Leaders

DEVELOPING YOUTH LEADERS

1. 4-H Leadership Roles

- 4-H Club Officers http://4h.missouri.edu/resources/materials.htm#Club_Officers
- County Councils, boards and committees
- State 4-H Council <http://4h.missouri.edu/getinvolved/council.htm>
- Mizzou 4-H <http://4h.missouri.edu/getinvolved/Mizzou4h.htm>
- http://4h.missouri.edu/resources/materials.htm#Club_Officers
- Missouri 4-H Camping Program and Camp Counselor Leadership Roles
<http://4h.missouri.edu/programs/camp/>

4-H camps are conducted by individual county 4-H programs or by cooperating groups of counties. Over its 100 year history, the purpose for 4-H camp programs remains the same; to assist young people in developing knowledge, life skills, and attitudes that will help them become productive and contributing adults.

2. Leadership Curricula and Challenge Programming

Being a leader is a complex responsibility. But the leadership skills are learned and developed over a lifetime. So, join in the dynamic process of learning leadership skills through interactive activities, real life experiences in relationship building, communication group process, and planning and organization. All activities offer a cross-cultural perspective. All activities offer you the ability to become a good leader.

Pathways to Leadership
Building Personal Leadership Skills
Leadership for Life
Leading into the Future
Virtual Communities
My Community, Our Earth

3. Youth Service

Community Service

Being a member of 4-H provides awesome opportunities to be involved in your community! The possibilities are endless! Clubs from all parts of Missouri love helping out their neighbors.

4. Awards and Recognition

The Missouri 4-H Recognition Program provides a variety of individual awards to meet the diverse needs and interests of today's youth. There are five types of award recognition.

Participation

Acknowledgement for involvement in educational experiences - the first step in building self-confidence.
Examples: 4-H identification card, certificates of participation

Progress Toward Personal Goals

For experience youth gain in goal setting and realistic self assessment.
Examples: Completing the project record or recognition forms

Achievement of Standards

An external, predetermined target for the youth's learning experience.
Examples: blue, red or white ribbons, club seals

Peer Competition

Opportunities for youth to compete to determine the best performance or achievement.

Examples: 4-H Key Award, State Fair exhibits, I Dare You award

Cooperation

Recognizing cooperative work to achieve common goals and being a team member.

Examples: 4-H community service grants

Group Recognition

The Missouri 4-H Recognition Program recognizes 4-H group awards for reaching Missouri 4-H Standards of Excellence goals. Bronze, silver and gold seals are awarded to groups who meet the criteria for each set of goals.

Personnel: Jerry Davis, Lynda Dumond, Robert McNary, Teresa Bishop

Promoting Youth and Adult Partnerships

Youth-Adult Partnerships is an emerging program area that interconnects 4-H youth development with community development. As an application of community youth development, youth-adult partnerships:

- recognize youth development is a key part of rebuilding communities, and that every member of a community has a part in creating a healthy community.
- view youth as assets to their communities as much as adults, and place youth in equal roles with adults in planning, implementing, and evaluating programs that shape their development, as well as the development of their communities.
- create opportunities through 4-H for young people to learn leadership, citizenship, and life skills through shared leadership with adults and youth in community settings.

Youth-adult partnerships may involve youth and adults together in leadership development, philanthropy, entrepreneurship, community mapping, civic activism, and/or governance.

1. YAP education/advocacy
2. Extension Council Youth Leaders

Personnel: Jerry Davis, Robert McNary

Empowering Youth Citizens

1. Local citizenship education
 - Public Adventures curriculum (4-H)
 - Local Government CECH-UP
2. Regional/state citizenship education
 - Missouri Youth Forum
3. National citizenship education
 - Citizenship Washing Focus
 - Wonders of Washington
4. Global citizenship education
 - K.C. Global Conference
 - And My World

5. Youth civic engagement (contributing - active steps to effect positive community change)

- Leading and Learning curriculum (Innovation Center)
- 4-H leadership Club Startup Grants

Personnel: Rebecca Fay, Teresa Bishop

Animal Science and Technology - Food Animal Projects

1. Beef
2. Dairy
3. Bucket Calf Project
4. Goats
5. Rabbits
6. Sheep
7. Swine

Personnel: Gary Naylor, Jerry Davis, Karla Deaver, Lynda Dumond, Robert McNary, Teresa Bishop

Environmental and Natural Resources Science and Technology

1. Environmental Sciences
2. Forestry - Environmental Sciences
3. Shooting Sports
4. Sportsfishing
5. Conservation
6. Community Mapping of Natural Resources
7. Geology
8. Water Quality
9. Wildlife Habitat and Management
10. Aquatic Education
11. Waste Management

Personnel: Teresa Bishop

Information Science and Technology

Adult staff and volunteers will facilitate youth ages 5 to 19 to learn through project curricula, camps and educational events knowledge, skills and application of information sciences.

Program staff will facilitate learning through curricula, workshops and conferences to help parents, caregivers, volunteer leaders and staff of other youth serving organizations to gain skills to promote children's and knowledge, skills and application of informational sciences.

1. Computers
2. Software-Based Projects
3. Geospatial
4. Digital Media
5. Internet Sciences

Personnel: Robert Schultheis

Physical Science, Engineering and Technology

Adult staff and volunteers will facilitate youth ages 5 to 19 to learn through project curricula, camps and educational events knowledge, skills and application of physical sciences.

Program staff will facilitate learning through curricula, workshops and conferences to help parents, caregivers, volunteer leaders and staff of other youth serving organizations to gain skills to promote children's and knowledge, skills and application of physical sciences.

1. Robotics
2. Aerospace
3. Electricity
4. Small Engines
5. Welding
6. Woodworking
7. Build Environment

Personnel: Robert McNary

Building Character

Show-Me Character* is a program that teaches young people to make wise ethical choices. It also encourages adults to become more involved in helping youth develop positive character traits, such as trustworthiness, fairness, respect, caring, responsibility and citizenship. Communities certainly benefit when youth and adults understand the importance of being involved as caring citizens and "doing the right thing." Effective character education encourages youth to "do the right thing" by incorporating these core ethical values in their daily lives.

Personnel: Jerry Davis