

Fiscal Year 2010 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Requests

Project Name: Animal Science Food Safety Consortium

Recipient: University of Arkansas Division of Agriculture, Iowa State University, and Kansas State University

Project Location: The University of Arkansas Division of Agriculture is located in Fayetteville, Arkansas; Iowa State University is located in Ames, Iowa; and Kansas State University is located in Manhattan, Kansas.

Request: \$2,250,000

Project Purpose:

The goal of this project is to conduct cutting edge food safety research into all areas of poultry, beef, and pork meat production from the farm to the consumer's table. The Animal Science Food Safety Consortium consists of a partnership among the University of Arkansas, Kansas State University, and Iowa State University. The University of Arkansas will pursue research into poultry issues; Kansas State University will pursue beef-related issues; and Iowa State University will pursue pork-related issues.

Project Name: Appropriate Technology Transfer for Rural Areas (ATTRA)

Recipient: National Center for Appropriate Technology, Inc.

Project Location: The National Center for Appropriate Technology, Inc. is located in Butte, Montana. The funds are used to staff ATTRA offices in Fayetteville, Arkansas; Butte, Montana; Davis, California; Lewis, Iowa; Shavertown, Pennsylvania; and Hammond, Louisiana.

Request: \$3,000,000

Project Purpose:

The ATTRA National Sustainable Agriculture Information Service is a unique technical assistance service provided through a cooperative agreement between USDA Rural Business-Cooperative Service (RBS) and the National Center for Appropriate Technology (NCAT), a national nonprofit organization. ATTRA offers technical information and assistance to farmers, ranchers, and agricultural information providers from all 50 states who are interested in sustainable agriculture technologies and in marketing methods which improve farm sustainability.

Project Name: Arkansas Children's Nutrition Center (ACNC)
Recipient: Arkansas Children's Nutrition Center
Project Location: The Arkansas Children's Nutrition Center is located in Little Rock, Arkansas.
Request: \$6,550,311

Project Purpose:

ACNC research concentrates on what nutrients and dietary factors are needed to optimize infant and child development and what infants should be fed to reduce childhood diseases and diseases they will experience later as adults. Childhood obesity is a major problem in Arkansas and the U.S. Many of the chronic adult killer diseases start in very early development and are heavily influenced by diet. Thus, reducing the risk of or preventing these diseases can be accomplished by understanding the science underlying the mechanisms of the nutrition/diet-related basis of these developmentally-linked health issues.

Project Name: Arkansas Virtual Enterprise Center
Recipient: Arkansas Economic Acceleration Foundation.
Project Location: The Arkansas Economic Acceleration Foundation is located in Little Rock, Arkansas.
Request: \$710,000

Project Purpose:

The Arkansas Economic Acceleration Foundation requests start-up funding assistance for the Arkansas Virtual Enterprise Center. The Virtual Enterprise Center is an online web-based support service and resource center for small business owners of all types. The Virtual Enterprise Center will allow entrepreneurs 24 hour access seven days a week to seek answers to questions, tools, training calendars, professional development opportunities, local or state service providers, and an opportunity to network through social web content.

Project Name: Dale Bumpers Small Farms Research Center (DBSFRC)
Recipient: Dale Bumpers Small Farms Research Center
Project Location: The Dale Bumpers Small Farms Research Center is located in Booneville, Arkansas.
Request: \$5,554,878

Project Purpose:

The DBSFRC is a partnership between the Agricultural Research Service (ARS) and the Natural Resources Conservation Service (NRCS). The DBSFRC consists of a multi-disciplinary team of five ARS scientists pursuing a program of basic and applied research that addresses constraints to successful sustainable livestock-forage and agroforestry systems. The overall goal of the DBSFRC is to conduct research for sustained lamb, goat, and beef production on southeastern pastures by developing knowledge and technologies that more economically match forage quality and quantity to animal needs for growth and well-being and to conserve natural resources to improve economic viability and environmental quality.

Project Name: Delta Obesity Prevention Research Unit

Recipient: Delta Obesity Prevention Research Unit in Little Rock, AR.

Project Location: The Delta Obesity Prevention Research Unit partners with the following institutions and executes components of the project in their locations:

Arkansas Children's Hospital Research Institute, Little Rock, AR

University of Arkansas at Pine Bluff, Pine Bluff, AR

LSU Pennington Biomedical Research Center, Baton Rouge, LA

Southern University and A&M College, Baton Rouge, LA

University of Southern Mississippi, Hattiesburg, MS

Alcorn State University, Lorman, MS

Boys, Girls, & Adults Community Development Center (Marvell, AR)

Mid Delta Community Consortium (Helena-West Helena, AR)

Baylor College of Medicine

Tufts University

Request: \$4,505,402

Project Purpose:

The Lower Mississippi Delta area of Arkansas, Louisiana, and Mississippi is characterized by high rates of poverty and food insecurity. There is a high prevalence of obesity, hypertension, diabetes, anemia, and heart disease, all of which are influenced by nutrition. The Delta Obesity Prevention Research Unit consists of three major phases to address these problems. The first phase is a series of surveys to assess the nutrition and health needs of the Delta. Second, longitudinal research in the Delta will be conducted to track changes in nutrition and health. Finally, intervention programs to improve the nutrition and health of Delta residents will be implemented.

Project Name: Delta Regional Authority
Recipient: Delta Regional Authority
Project Location: The Delta Regional Authority is located in Clarksdale, Mississippi. It implements projects in Alabama, Arkansas, Illinois, Kentucky, Louisiana, Mississippi, Missouri, and Tennessee.
Request: \$3,000,000
Project Purpose:
The Delta Regional Authority will use this funding to support its Delta Leadership Institute, a workforce training program, an annual conference for Delta leaders, and a training program for Local Development District officials.

Project Name: Endophyte Research
Recipient: The recipient of these funds would be the ARS Dale Bumpers Small Farms Research Center in Booneville, Arkansas. Funds would also be passed through to the University of Arkansas Division of Agriculture in Fayetteville, Arkansas; University of Missouri in Columbia, Missouri; and Oregon State University in Corvallis, Oregon.
Project Location: The ARS Dale Bumpers Small Farms Research Center is located in Booneville, Arkansas.
Request: \$1,400,000
Project Purpose:
This project to find low-cost solutions to fescue toxicosis is a collaborative effort between the USDA ARS and states that have major grass-based animal production systems (Arkansas and Missouri) and seed industries (Oregon) that supply the livestock-producing states.

Project Name: Forestry Research

Recipient: University of Arkansas at Monticello

Project Location: The University of Arkansas at Monticello is located in Monticello, Arkansas.

Request: \$319,000

Project Purpose:

The Forest Resources Center at the University of Arkansas at Monticello: (1) provides low-cost forest management alternatives to private, nonindustrial landowners throughout the southern region; (2) assesses the true impacts of intensive forest management on the environment; and (3) develops alternative forest management strategies for achieving multi-resource (i.e., wildlife habitat, water quality, timber production, aesthetics, hunting, and other recreational activities) objectives in our National Forests.

Project Name: Geographic Information System

Recipient: The recipients of these funds would include the University of Arkansas, Pennsylvania State University, Wilkes University, the University of Wisconsin, South Georgia Regional Development Center, the University of North Dakota, Central Washington University, and Southwestern Indian Polytechnic Institute.

Project Location: These universities are located in the following cities:

The University of Arkansas is located in Fayetteville, AR.

Pennsylvania State University is located in State College, PA.

Wilkes University is located in Wilkes-Barre, PA.

The University of Wisconsin is located in Madison, WI.

The South Georgia Regional Development Center is located in Valdosta, GA.

The University of North Dakota is located in Grand Forks, ND.

Central Washington University is located in Ellensburg, WA.

Southwestern Indian Polytechnic Institute is located in Albuquerque, NM.

Request: \$1,000,000

Project Purpose:

The National Consortium for Rural Geospatial Innovations in America was created to help bring the benefits of geographic information systems and related spatial information technologies to rural and tribal America. Eight sites across the U.S. conduct projects and technology transfer activities in their regions to support a common mission. The entire group has several collaborative activities such as a website, technical bulletin series, software evaluation, and workshops.

Project Name: Grants to Youth Organizations
Recipient: U.S. Department of Agriculture
Project Location: The U.S. Department of Agriculture is located in Washington, D.C.
Request: \$3,000,000

Project Purpose:

The Grants to Youth Organizations Program provides funding to the National FFA Organization, National 4-H Council and Girl Scouts of the USA to develop and deliver programming to serve youth in rural communities. A goal of this program is develop stronger human capital in rural communities by engaging the youth and building a stronger sense of community and belonging. In doing so the chance of these youth either staying or returning after their education increases providing leadership, serving community, and creating economic opportunity for others.

Project Name: Harry K. Dupree National Aquaculture Research Center
Recipient: The recipient of these funds would be the Harry K. Dupree National Aquaculture Research Center. Funds would also be passed through to the Aquaculture/Fisheries Center at the University of Arkansas at Pine Bluff.
Project Location: The Harry K. Dupree Stuttgart National Aquaculture Research Center is located in Stuttgart, Arkansas.
Request: \$5,715,800

Project Purpose:

The mission of the National Aquaculture Research Center is to conduct research in the priority areas of: (1) production systems including the development of feeds and improved culture strategies for warmwater fish species, including hybrid catfish, hybrid striped bass, baitfish, ornamental fish, and carp; (2) disease therapeutics evaluation and registration for hybrid catfish, trout, tilapia, baitfish, and hybrid striped bass; and (3) bird depredation including development of practical dispersal and barrier technologies for control of fish-eating birds on fish farms.

Project Name: Institute for Food Science and Engineering (IFSE)
Recipient: University of Arkansas Division of Agriculture
Project Location: The University of Arkansas Division of Agriculture is located in Fayetteville, Arkansas.
Request: \$1,112,000

Project Purpose:

The University of Arkansas Division of Agriculture's IFSE is composed of three interrelated centers: the Center for Food Processing and Engineering, the Center for Food Safety and Quality, and the Center for Human Nutrition. The Institute provides multidisciplinary research expertise to develop and disseminate scientific information associated with the production, value-added processing, safety, nutritional value, packaging, storage, and distribution of food products. IFSE includes 35 affiliated scientists representing eight departments in the Division of Agriculture, the University of Arkansas for Medical Sciences in Little Rock, and the Harry K. Dupree Stuttgart National Aquaculture Research Center.

Project Name: Integrating Soil and Plant Monitoring to Improve Soil & Water Conservation for Sustainable Cotton Production
Recipient: Judd Hill Foundation
Project Location: The Judd Hill Foundation is located in Trumann, Arkansas.
Request: \$1,000,000

Project Purpose:

This request would fund a joint research project between the Judd Hill Foundation, the University of Arkansas, and Arkansas State University. The collaborators will employ soil sensors and 24-hour computer monitoring to measure the efficient use of scarce resources on cotton farming. In this research project, soil probe sensors and data monitoring will be used to determine the optimal use of water and fertilizer in order to maximize output while minimizing waste and runoff.

Project Name: Little Red River Irrigation Project
Recipient: Little Red River Regional Irrigation Water District
Project Location: The Little Red River Regional Irrigation Water District is located in Searcy, Arkansas.
Request: \$385,000

Project Purpose:

The goal of the Little Red River Irrigation Project is to sustain the regional agricultural economy and reverse the declining trend of underground water supply in the area. The Alluvial Aquifer in the project area is being depleted at an alarming rate. If this trend is not reversed, experts predict that a large portion of the area will be without irrigation water by 2020. The Arkansas Natural Resource Commission has included the project area in its critical groundwater use areas. The project plan includes provisions for implementing on-farm water conservation practices along with importing excess surplus water from the Little Red River to supplement groundwater usage for irrigation.

Project Name: National Center for Agricultural and Rural Sustainability
Recipient: The recipients of these funds would be the University of Arkansas Division of Agriculture and the University of Wisconsin.

Project Location: The University of Arkansas Division of Agriculture is located in Fayetteville, AR and the University of Wisconsin is located in Madison, WI.

Request: \$1,000,000

Project Purpose:

The National Center for Agricultural and Rural Sustainability is a consortium project of the University of Arkansas Division of Agriculture and the University of Wisconsin College of Agricultural and Life Sciences. The four primary objectives of the project are to: (1) develop a framework for an open source Life Cycle Assessment in U.S. food and agriculture that standardizes processes and data for easy comparison to industry averages; (2) provide a science foundation for measures and indicators of economic, environmental and social facets of sustainable agricultural and food systems; (3) create sustainable food systems that link local producers with large retail markets; and (4) coordinate public efforts on sustainability with leading corporate sustainability initiatives.

Project Name: National Center for Agricultural Law

Recipient: The recipient would be the USDA National Agricultural Library, which has an ongoing cooperative agreement to provide funds to the University of Arkansas Law School in Fayetteville, Arkansas to continue operations at the National Agricultural Law Center. The University of Arkansas Law School has a subcontract with Drake University in Des Moines, Iowa.

Project Location: USDA National Agricultural Library is located in Beltsville, Maryland. The University of Arkansas Law School is located in Fayetteville, Arkansas. Drake University is in Des Moines, Iowa.

Request: \$701,000

Project Purpose:

The primary mission of the National Center for Agricultural Law is to continue to be the leading source of objective, scholarly, and authoritative agricultural and food law research and information and to aid USDA personnel, including National Agricultural Library personnel, policy makers, and the broader legal and agricultural communities across the nation to better understand federal laws affecting agriculture. The vast majority of the work performed at the National Agricultural Law Center involves federal laws and regulations that have a national scope. The Center occasionally engages in projects that compare state approaches to particular problems and researches international law as it pertains to the U.S. agricultural community.

Project Name: National Center for Toxicological Research (NCTR)
Recipient: National Center for Toxicological Research
Project Location: The National Center for Toxicological Research is located in Jefferson, Arkansas.
Request: \$59,000,000

Project Purpose:

NCTR conducts translational research vital to the mission of protecting the public health. NCTR develops scientific processes to advance the FDA towards personalized medicine; identifies early predictors of risk of toxicity of regulated products; develops, validates, and provides guidance for the regulatory use of new technologies; provides regulatory tools that facilitate premarket review, post-market safety assurance, and risk-based product safety decisions; evaluates the biological effects of potentially toxic chemicals or microorganisms; provides key research data for high priority safety issues; and provides research for food safety and food defense.

Project Name: Ozark Mountain Regional Public Water Authority
Recipient: Ozark Mountain Regional Public Water Authority
Project Location: The Ozark Mountain Regional Public Water Authority is located in Diamond City, Arkansas.
Request: \$64,000,000

Project Purpose:

The purpose of this project is to provide a safe and reliable source of drinking water to over 21,500 people in North Central Arkansas. Most of the 22 water systems that comprise the Water Authority utilize an unfiltered and contaminated water supply from deep wells. Contaminants include radium 226 & 228, radon, uranium, fluoride, and other harmful substances. Also, this project will alleviate an attempt to construct a watershed impoundment within the Buffalo National River's drainage basin. These funds will be used for property acquisition, design, and construction.

Project Name: Poultry Production & Product Safety Research Unit (PP&PSRU)

Recipient: Poultry Production & Product Safety Research Unit

Project Location: The Poultry Production & Product Safety Research Unit is located in Fayetteville, Arkansas.

Request: \$1,741,052

Project Purpose:

The mission of the PP&PSRU is to investigate ways to reduce the impact of poultry production problems in turkeys and broilers, ensure a wholesome product for the consumer, and reduce any negative environmental impact of poultry production. Research focuses on studying diseases and food borne pathogens which affect poultry and human health; understanding the physiology and genetics of metabolic disorders including those affecting respiratory, bone, and gastrointestinal anomalies; and developing environmentally friendly utilization of poultry litter.

Project Name: Rice Research

Recipient: Dale Bumpers National Rice Research Center

Project Location: The Dale Bumpers National Rice Research Center is located in Stuttgart, Arkansas.

Request: \$3,893,897

Project Purpose:

The mission of the Center is to conduct research to help keep the U.S. rice industry competitive by assuring high yields, superior grain quality, pest resistance, and stress tolerance.

Project Name: Rural Education for Community Service
Recipient: Rural Development Leadership Network.
Project Location: The Rural Development Leadership Network is located in New York, New York.
Request: \$6,000,000

Project Purpose:

The Rural Education for Community Service project will support community-based development in poor rural areas. It will provide 100 fellowships for grassroots community-builders throughout the country who have demonstrated their commitment and ability in the field. They will attend a four-week Rural Development Institute, take part in workshops, webinars and trainings, have the option of earning a non-campus-based educational degree without leaving their community work, and will be part of a national, multicultural network of vital community builders who will exchange information, models, and support.

Project Name: Securing and Engaging Sustainable Aspects of Agricultural Water Use

Recipient: Arkansas State University

Project Location: Arkansas State University is located in Jonesboro, AR.

Request: \$2,000,000

Project Purpose:

The proposed Arkansas Center for Sustainable Water Research would integrate modeling, analysis, and monitoring of climate/water/land use systems in Arkansas to contribute significantly to Arkansas and the region's competitive position in science and engineering research. Assessment of the region's changing water utilization requires not only an increasingly complex scientific basis for environmental decision making, but an evaluation of the public's perceptions of water use and impacts that continue to evolve.

Project Name: Small Farm Outreach Wetlands Management Center
Recipient: University of Arkansas at Pine Bluff Small Farm Outreach Wetland Water Management Center

Project Location: The Small Farm Outreach Wetlands Management Center is located in Lonoke, Arkansas.

Request: \$300,000

Project Purpose:

The UAPB Small Farm Outreach Wetlands Water Management Center (UAPB-SFOWWMC) in Lonoke has made available a network of multi-agency interdisciplinary scientists, engineers, professors, and research technicians with expertise in irrigation water management, wetlands, alternative and traditional crop technology transfer, rural resource conservation, and community development. Funds will be used for administrative expenses such as salaries, consultants, and operation and maintenance of the facilities.

Project Name: Specialty Crops

Recipient: The recipients of these funds would be the University of Arkansas Division of Agriculture, Arkansas State University, and the University of Georgia.

Project Location: The University of Arkansas Division of Agriculture is located in Fayetteville, Arkansas; Arkansas State University is located in Jonesboro, Arkansas; and the University of Georgia is located in Athens, Georgia.

Request: \$750,000

Project Purpose:

The goals of the project are: (1) to enable growers, producers, and processors to develop profitable production systems of specialty crops for providing wholesome, safe and nutritious specialty crops that promote human health; (2) to significantly aid new and innovative producers; and (3) provide linkages with national initiatives to promote sustainable, local production, and healthy foods.

Project Name: Tri-State Water Sustainability
Recipient: University of Arkansas Division of Agriculture
Project Location: The project would be coordinated by the University of Arkansas Division of Agriculture in Fayetteville, AR. The grantee would partner with the ARS Systems and Water Quality Research Unit, Columbia, MO; the ARS National Sedimentation Laboratory, Oxford, MS; and the ARS Water Quality and Quantity Unit, Jonesboro, AR (when established).
Request: \$900,000
Project Purpose:
The region encompassing the Arkansas-Red-White and Lower Mississippi River Basins is experiencing diverse and complex water issues like no other region in the U.S. These issues include phosphorus problems associated with animal feeding operations, nutrient load contributions to Gulf of Mexico hypoxia, water allocation conflicts driven by aquifer depletion that involve agriculture, urban encroachment into rural areas, and sustainable stewardship. This project will strive to achieve environmental and agricultural sustainability through research, monitoring, and demonstration.

Project Name: University of Arkansas at Pine Bluff Aquaculture Research Station
Recipient: University of Arkansas at Pine Bluff
Project Location: The University of Arkansas at Pine Bluff is located in Pine Bluff, Arkansas.
Request: \$2,400,000
Project Purpose:
The Arkansas aquaculture industry is the economic backbone of many rural communities in Arkansas. The industry contributes over \$1.24 billion to the economy of the Delta region of Arkansas. This project will address areas that are critical to the aquaculture industry and its ability to compete. These include: 1) biosecurity on aquaculture farms; 2) development of feeds to enhance performance and value while reducing cost; 3) research and development work on Delacata, a new prime cut of catfish; 4) alternative aquaculture crops; and 5) more efficient production and management systems.

Project Name: Upper Petit Jean Watershed Project

Recipient: Upper Petit Jean Impoundment Board

Project Location: The Upper Petit Jean Impoundment Board is located in Booneville, Arkansas.

Request: \$2,800,000

Project Purpose:

This project will provide a municipal and industrial water supply for portions of Scott, Logan, Yell, Johnson, Franklin, and Sebastian counties.

The project will serve approximately 35 cities and communities with a population of roughly 23,000. Many of these water customers will be rural families that currently have no access to a quality water supply. Funds will specifically be used for the preparation of a Supplemental

Plan/Environmental Impact Statement by the Natural Resource Conservation Service and for the procurement of a major portion of the land for the raw water reservoir pool, flood control structures, and Health Department required buffers.