



CONGRESS OF THE UNITED STATES  
Washington, D.C. 20515

**Congressman Tom Latham, Iowa - 04**  
**Fiscal Year 2010 Agriculture, Rural Development, Food and Drug Administration, and**  
**Related Agencies Appropriations Member Project Requests**

In accordance with the policies put forth by the House Appropriations Committee, I would like to share with you some information regarding the projects that I have submitted for consideration in the FY2010 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Bill.

**Project Name:** Animal Science Food Safety Consortium, AR, IA, KS

**Amount Requested:** \$1,000,000

**Account:** CREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The Food Safety Consortium to Protect Beef, Pork, and Poultry from Contamination addresses potential threats to food safety during the production of the live animal, processing, distribution, and consumption. When necessary, this initiative develops sampling and testing strategies to rapidly identify contaminants and determine the distribution of the contaminant in the food supply. Additionally, program staff are working to establish intervention strategies to minimize the threat of contaminants and to assure a safe food supply. The program also is developing recovery strategies and training procedures for these industries in the event of a natural or intentional contamination event. The potential introduction of natural or intentional contaminants into agricultural products could have a dramatic impact on the United States: citizens' health would be at risk and the economy could suffer because of the likely loss of international markets for U.S. products. The potential introduction of natural or intentional contaminants into agricultural products could have a dramatic impact on the United States: citizens' health would be at risk and the economy could suffer because of the likely loss of international markets for U.S. products.

**Project Name:** Bio-Industry Assistance Centers

**Amount Requested:** \$800,000

**Account:** CSREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** America's bioeconomy is developing rapidly, but many companies lack the skills to find technical assistance on bio-product-related issues that would enable them to expand effectively. Helping these biobased product companies do so will improve the quality of the environment, revitalize the manufacturing sector and rural America, and enhance national security by reducing U.S. dependency on foreign oil. In order to connect hundreds of new and existing companies and distributors across the United States to research, technical assistance, and educational programs, Iowa State University (ISU) Extension will develop five regional Bio-Industry Assistance Centers with staff to facilitate company growth and success. Connections also will be established between the new centers and existing federal programs, including the NIST Manufacturing Extension Partnership (NIST/MEP) and the Defense Logistic Agency's Procurement Technical Assistance Center (DLA/PTAC). Resources and methods that will be developed as part of this program will be transferred to these other federal outreach programs, each of which is charged to help American manufacturers grow. The creation of Bio-Industry Assistance Centers that are tied to existing federal industrial extension programs will provide a coordinated mechanism to help these biobased product companies expand, which will improve the quality of the environment, revitalize the manufacturing sector and rural America, and enhance national security. As the only entity in the country that provides services to industry through work with the three key federal programs that must be coordinated to make this initiative successful -- NIST/MEP, DLA/PTAC, and USDA/BioPreferred -- ISU Extension is uniquely qualified to lead this effort.

**Project Name:** Bio-Safety Institute for Genetically Modified Agriculture Products

**Amount Requested:** \$300,000

**Account:** APHIS

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The Biosafety Institute for Genetically Modified Agricultural Products (BIGMAP) is developing the scientific safeguards and education needed to protect human health and the environment while introducing genetically engineered products and technology for economic development in Iowa and the nation. The Institute conducts independent and science-based evaluation of the risks and benefits of genetically modified agricultural products and communicates the results of these activities to key policy and regulatory groups and private entities. BIGMAP also provides strategies for mitigating the risks to safeguard consumers and the environment. BIGMAP is providing scientific safeguards and educational programs to ensure public confidence in the quality and safety of the food supply while allowing for the introduction of genetically engineered crops to spur economic development and protect U.S. exports.

**Project Name:** CEMSA with Iowa Soybean Association

**Amount Requested:** \$300,000

**Account:** Natural Resources Conservation Service - Conservation Operations

**Recipient:** Iowa Soybean Association

**Recipient's Street Address:** 4554 114th St Urbandale, IA 50322

**Description:** This program provides innovative technical assistance to individual farmers, helping them document baseline and performance data to measure environmental and economic results of their management practices and incorporate that data into continual performance improvement. It is an adaptive management system based on ISO 14001, addressing energy

efficiency in farming and environmental, agronomic, and economic performance goals. Appropriations will support continued technical assistance for current and new participants; expand the use of the energy efficiency module piloted in 08 and adjust documentation and data aggregation procedures to enable the soybean and corn based biofuel industry to benefit from documented data revealing the improved energy efficiency, carbon savings, and reduced greenhouse gas emissions associated with current farming practices, as well as potential improvements made possible by CEMSA management planning; expand the use of the new carbon sequestration, greenhouse gas emission reduction, and wildlife habitat planning modules and indices being developed and piloted this year.

**Project Name:** Center for Agricultural and Rural Development, IA

**Amount Requested:** \$500,000

**Account:** CSREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The Center for Agricultural and Rural Development (CARD) Biofuels Impact Analysis project at Iowa State University provides unbiased analyses of the effects of changes in technology and policy on the production of biofuels and on the cost and manufacturing of traditional agricultural and energy products. These analyses are based on supply and demand models of agricultural products, biofuels, and traditional, crude oil based energy markets, both domestically and internationally. Results of these analyses help key decision makers and citizens of Iowa and the U.S. make informed choices between alternative policy options, by providing answers to pressing questions about the impacts of those options on agricultural prices, net returns, production, consumption, and government spending. Using existing measures of the net carbon emissions per unit of agricultural output for each agricultural commodity in each country, the CARD program also will develop a methodology to measure the worldwide carbon footprint of agriculture and incorporate this footprint measure into existing multi-country, multi-commodity models.

**Project Name:** Center for Translational and Applied Genomics

**Amount Requested:** \$750,000

**Account:** CSREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The Center for Translational and Applied Genomics (CTAG) at ISU will focus scientific and technology expertise on translating fundamental genomic research information to improving the commodities of importance to Iowa. The goals of CTAG are to use basic genomics information and powerful bio- and information technologies to identify natural genetic resources for crop and animal improvement. CTAG will apply these tools to develop important economic traits in plants and animals and to discover new uses of Iowa's agricultural products for food, feed, health, and energy. Meeting the goals set forth in the 2007 Energy Bill "which mandates a six fold increase in biofuel production by the year 2022" will require more than a billion tons of biomass per year and a doubling of corn production nationally. This will have immense impact on livestock production, at a time when standard breeding practices have reached a point of diminishing returns. To meet the increasing demands for food and bioenergy products, the proposed Center for Translational and Applied Genomics (CTAG) at Iowa State

University (ISU) will capitalize on recent, enormous advances made in plant and animal genomics.

**Project Name:** Corn Germplasm

**Amount Requested:** \$850,000

**Account:** ARS

**Recipient:** USDA ARS Ames Lab

**Recipient's Street Address:** 1575 Agronomy Hall, Ames, IA 50011

**Description:** The Corn Germplasm project will focus on broadening the germplasm base and genetic diversity of corn hybrids grown by American farmers. The addition of new, useful genes from unadapted exotic maize can support improvement of agronomic productivity, disease resistance, insect resistance and value-added grain characteristics important to human health and nutrition.

**Project Name:** Dairy Education, IA

**Amount Requested:** \$200,000

**Account:** CSREES

**Recipient:** Northeast Iowa Community-Based Dairy Foundation

**Recipient's Street Address:** 1527 Hwy. 150, S. Calmar, IA 52132

**Description:** The project aims to increase the success of dairies by providing education on production technology, environmental stewardship, marketing and competitiveness. The Dairy Education project has goals of retaining, growing and fostering the development of the industry. The dairy industry is a major component of the Midwest's economy and the project aims to develop successful farms that are vital to local communities.

**Project Name:** Food and Agriculture Policy Research Institute, IA, MO, WI, NV

**Amount Requested:** \$1,300,000

**Account:** CSREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** Since its inception in 1985, the Food and Agricultural Policy Research Institute: Agricultural and Trade Policy Analysis (FAPRI) initiative has provided unbiased analyses of the impact of changes in domestic agricultural policy and trade policy on the production and prices of major agricultural products, including both crops and livestock. In the coming year, research staff will develop and maintain country-specific international models of corn, soybeans, wheat, cotton, rice, minor oilseeds, barley, beef cattle, hogs, dairy, poultry, ethanol, and biodiesel for all major importing and exporting countries. The researchers also will develop and maintain U.S. supply and demand models of the same products. FAPRI is adding a U.S. and world carbon model to the international model system.

**Project Name:** Iowa Buffer Initiative

**Amount Requested:** \$125,000

**Account:** Natural Resources Conservation Service - Conservation Operations

**Recipient:** Trees Forever

**Recipient's Street Address:** 770 - 7th Ave. Marion, IA 52302

**Description:** The Iowa Buffer Initiative creates educational demonstration sites with farmers and other landowners that showcase the effectiveness of buffers and other water and air quality practices in agricultural areas throughout the state of Iowa. A public-private partnership, the Initiative involves farm leaders, organizations, schools, volunteers of all ages, and agencies in establishing buffers and promoting their effectiveness. Federal funds are used for trees and other plant materials, and for staff time for site assistance, education and outreach. This effort also supports and integrates well with federally-funded USDA conservation programs. From 1997 through 2008, the Initiative has resulted in: 211 projects and demonstration sites; 3,577 acres of buffers; 101 miles of protected streams; 794,369 trees and shrubs planted; 1,544 landowners and volunteers contributing 25,663 hours to these efforts across the state of Iowa. In addition, 110 stakeholders have participated in a watershed improvement planning process in 6 watersheds.

The role that riparian buffers and other conservation practices play in reducing soil erosion, increasing soil infiltration rates, and improving water quality are important to our national environmental health, not just to Iowa or the Midwest. The quality of Iowa's waterways impacts bodies of water including the Mississippi River and the Gulf of Mexico.

**Project Name:** Midwest Poultry Consortium, IA

**Amount Requested:** \$500,000

**Account:** CREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The Midwest Poultry Research: Poultry Profitability Program effectively addresses the priority research needs of the poultry industry in the Midwest (Colorado, Florida, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin) to help improve sustainability, efficiency, and profitability of poultry production through integrated, collaborative research and technology transfer. With funds from CSREES, Iowa State University (ISU) and the Midwest Poultry Consortium jointly administer the program through a call for applications. The Midwest Poultry Consortium then manages a competitive, peer-reviewed process and selects individual projects to receive funding after receiving applications from all eligible state universities. This initiative provides a structure to facilitate multidisciplinary research networks that enhance limited state and industry resources, and have the scope to attack real-world problems. It also develops new regional collaborative approaches in research and technology transfer involving land-grant and other universities, the federal government, and the private sector.

**Project Name:** National Research Support Project -Minor Use Animal Drug Program

**Amount Requested:** \$500,000

**Account:** CSREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** Without this program, American minor species producers would not have safe and effective products to keep their livestock healthy. The Minor Use Animal Drug Program also develops data to satisfy the safety and efficacy requirements of FDA/CVM for minor species.

**Project Name:** New Century Farm, IA

**Amount Requested:** \$500,000

**Account:** CREES

**Recipient:** Iowa State University

**Recipient's Street Address:** 1750 Beardshear Hall Ames, IA 50011

**Description:** The emerging bioeconomy and the nation's emphasis on renewable fuels produced from plants present our nation "and especially our rural areas" with an opportunity to develop new industries and to diversify the American agricultural enterprise. Achieving this vision of sustainable biofuels and bioproducts production requires new crops and new cropping systems; integration of disciplines in the agronomic, biological, economic, social, and engineering sciences into teams focused on biofuels and bioproducts; and "at all stages of the research and development process" input from producers, industry representatives, and policymakers. The New Century Farm at Iowa State University "the first integrated and sustainable biofuel feedstock production system of its kind" will play a critical role in fulfilling this vision. It will serve as a living laboratory for developing and testing sustainable biomass systems through rigorous integration of agronomic, environmental, and socio-economic research. The New Century Farm at Iowa State University will be the first integrated, sustainable biofuel feedstock demonstration farm and research biorefinery in the United States, serving as a model for American biorenewable energy and bioproducts production and helping to transform the nation's agricultural enterprise to one that is feedstock ready.

**Project Name:** Watershed Management and Demonstration Program

**Amount Requested:** \$150,000

**Account:** Natural Resources Conservation Service - Conservation Operations

**Recipient:** Iowa Soybean Association

**Recipient's Street Address:** 4554 114th Street Urbandale, IA 50322

**Description:** This program helps Iowa farmers identify and reduce their contribution to water pollution by providing technical assistance to groups of farmers in targeted watersheds and by collaborating with other watershed stakeholders to plan and implement watershed-specific strategies, measure outcomes, and adjust practices to optimize results.

The proper management of natural resources related to cropland and the planning and implementation of conservation systems on cropland, especially in watersheds of impaired streams, is part of the federal mission, which this project helps to further. The work of improving and maintaining watershed health and water quality in agricultural watersheds will always require federal investment, and due to the downstream impact of Midwest agricultural water quality concerns all the way to estuary waters, such as the Gulf of Mexico, projects such as these are increasingly important.