Request: $1 million
Project Name: National Agriculture Biosecurity Center
Entity Name/Location: Kansas State University, Manhattan, KS

This project is specifically related to protecting the United States against the risk of foreign plant and animal diseases – both naturally occurring and intentionally introduced. As this continues to be a risk from agroterrorism, this is a project that will need to be continued for the foreseeable future. The funds for this project would help implement international collaborations for food animal and food crop disease surveillance; expand animal health diagnostic screening capabilities regionally, including endemic and emerging pathogens; develop a GIS-based trackign system for pathogen monitoring; build and populate a lessons learned/best practices agro-security archive; and develop on-line and other asynchronous training materials and tools for agro-security responders.

Request: $14.25 million
Project Name: USDA Homeland Security, Food and Ag Defense Initiative
Entity Name/Location: Kansas State University, Manhattan, KS

Funding will be used to develop and implement education and training programs for agricultural biosecurity in the Biosecurity Research Institute at Kansas State University. Funding will also be used for additional training and expansion of the networks. The diagnostic labs funded under this account, play an important role in detecting foreign plant and animal diseases, whether naturally occurring or intentionally introduced. These labs have already had success with Asian Soybean Rust.

Request: $1.25 million
Project Name: Wheat Genetics Research
Entity Name/Location: Kansas State University, Manhattan, KS

The funding for this project will be used for additional research and equipment at the wheat Genetic and Genomic Resources Center. The research conducted here is essential to developing further disease resistance and to increasing yields, both of which are essential as global wheat stocks continue to tighten.

Request: $1.25 million
Project Name: Grain Sorghum
Entity Name/Location: Kansas State University, Manhattan, KS

These funds will support the continued effort to enhance the overall productivity and value of U.S. sorghum and improve its value as a food, feed and bio-energy crop. Kansas State University initiated the Center for Sorghum Improvement in 2001. The Center's coordinated interdisciplinary research efforts have led to the development of sorghum germ-plasm and parent lines with improved stalk quality, grain yield potential and drought tolerance. Increased funding will permit Great Plains Sorghum Improvement and Utilization Center (GPSIUC) to expand existing research and education programs, particularly in genetic improvement and sorghum

utilization. Sorghum is one of the most drought tolerant crops in the world, offering many potential advantages as a food, feed and bioenergy crop, and could be a key to sustaining viable rural economies in the Great Plains. Expanded research on genetic improvement, production and usage will result in new technologies and information to increase grain and forage sorghum production and processing efficiencies, reduce costs through the production and processing chain, and improve the U.S. sorghum industry's global competitiveness.

Request: $500,000
Project Name: Preharvest Food Safety and Security
Entity Name/Location: Kansas State University, Manhattan, KS

To develop strategies to identify and mitigate food-borne pathogens such as *E. coli* O157 and *Salmonella*, to further our knowledge about antibiotic resistance and food-borne diseases, and to identify and trace food-borne and zoonotic diseases and thereby prevent them from entering the American meat supply.

Request: $600,000
Project Name: Water Conservation
Entity Name/Location: Kansas State University, Manhattan, KS

Funding will provide federal support to research and deliver technologies that will continue to improve irrigation management; assist some agricultural producers to transition to profitable dryland cropping systems, such as bioenergy; improve rainfall harvesting and water recycling at confined livestock feeding operations; assist the state to make better informed policy decisions with respect to prolonging the life of the Ogallala aquifer; and help rural communities plan for and secure sustainable water supplies to meet future demands through improved planning, new technologies and conservation measures. These efforts are critical to the economic viability of western Kansas.

Request: $1 million
Project Name: National Canola Research Program
Entity Name/Location: Kansas State University, Manhattan, KS

The National Canola Research Program (NCRP) has greatly contributed to the stable canola acreage that has been established in the Northern Plains with 1 to 1.5 million acres being planted there annually this decade. Other regions – the Southern Great Plains and the Pacific Northwest in particular as well as the Mid-South, Southeast, and Midwest – show promise for significant plantings. For instance, the Southern Great Plains has planted up to 60,000 acres in recent years and winter canola could become a major alternative rotational crop in this traditionally monoculture wheat region. Taken together, these regions could add several million acres more to U. S. plantings of canola in the coming years. The research conducted by the NCRP has been instrumental in all of these developments.

Request: $1.2 million
Project Name: Animal Science and Food Safety Consortium
Entity Name/Location: Kansas State University, Manhattan, KS

Funding would be used to support research to help prevent food borne illness. Between 6.5 million and 81 million cases of food borne illnesses, including 9,000 deaths, occur each year in the U.S. The risk of food borne illness is increasing due to a number of factors. Food is being produced and transported over long distances and handled many times between producers and consumers. Lax handling procedures at any point in the distribution chain can allow toxic organisms to begin growing in food. The Food Safety Consortium involves Researchers from the University of Arkansas, the University of Arkansas for Medical Sciences, Arkansas Children's Hospital, Iowa State University and Kansas State University. The Consortium plays an important role in not only food safety and security but overall agricultural bio-security which are critical areas for national security in the War on Terrorism.

Request: $1.3 million
Project Name: Air Quality
Entity Name/Location: Kansas State University, Manhattan, KS

The funding for this project would be used to produce accurate estimates of concentrated animal feeding operations from feedlots and dairies. This will improve sustainability of cattle and dairy operations as vital economic sectors of rural communities in the Southern Great Plains while addressing related environmental issues through control and prevention. Effective and economical abatement measures must be developed for producers. At the same time, federal and state policies must be science-based, economical, and effective to ensure regional sustainability.

Request: $1.5 million
Project Name: Animal Waste Phosphorous Reduction System
Entity Name/Location: Kansas Livestock Foundation; Topeka, KS

Funds will help reduce phosphorous content of animal waste by 50% or more and provide research to expand the system to the dairy and swine industries. The Animal Waste Phosphorous Reduction System will enable Concentrated Animal Feeding Operations (CAFOs) to comply with Environmental Protection Agency (EPA) regulations regarding the amount of phosphorous applied to fields via waste application. The patent pending system will have the ability to reduce the phosphorous content of the animal waste by 50% or greater. This project will aide in bringing the phosphorous management system fully operational and allow research to proceed with expanding the system to the diary and swine industries and the development of a complete animal waste management system.

Request: $739,600
Project Name: Elk Creek Site No. 12
Entity Name/Location: Delaware Watershed Joint District No. 10; Holton, KS

The funds would be used for financial and technical assistance for design and construction of Elk Creek Site No. 11 and for flood control/grade stabilization of the dam. Besides flood control, the Elk Creek Watershed dam will provide grade stabilization, wildlife habitat, water supply and hydrant for local fire districts, sediment control, and water quality benefits. The appropriated funds would be used for design, environmental assessment and mitigation, construction, quality assurance, and contract administration.

Request: $561,000
Project Name: North Black Vermillion Site No. 201
Entity Name/Location: Upper Black Vermillion Watershed District No. 37; Centralia, KS

The funds would be used for financial and technical assistance for design and construction of North Black Vermillion Site No. 201 and for flood control/grade stabilization of the dam. Besides flood control, the Upper Black Vermillion dam will provide grade stabilization, wildlife habitat, water supply and hydrant for local fire districts, sediment control, and water quality benefits. Also, the Upper Black Vermillion Watershed provides sediment control benefits above the Federal Tuttle Creek Reservoir. The appropriated funds would be used for design, environmental assessment and mitigation, construction, quality assurance, and contract administration.

Request: $1.73 million
Project Name: Middle Creek Site No. 11
Entity Name/Location: Middle Creek Watershed Joint District No. 62; Lincolnville, KS

The funds for this project would be used for financial and technical assistance for design and construction of Middle Creek Site No. 11 and for flood control/grade stabilization of the dam. Besides flood control, the Middle Creek Watershed dam will provide grade stabilization, wildlife habitat, water supply and hydrant for local fire districts, sediment control, and water quality benefits. The appropriated funds would be used for design, environmental assessment and mitigation, construction, quality assurance, and contract administration.

Support full funding for Agriculture and Food Research Initiative (AFRI)- $429 million (Programmatic Funding)

To provide $429 million for AFRI in the FY2011 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations bill.

Support for Veterinary Medical Loan Repayment Program/7 U.S.C. 3101, Sect. 1415A-$6 million (Programmatic Funding)

To provide $6 million for the Veterinary Medical Loan Repayment Program in FY2011 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations bill. It is a $1 million increase above the President's FY11 Budget request for the program.

Support full funding for the Commodity Supplemental Food Program (CSFP)-$176.8 million (Programmatic Funding)

To provide $176.8 million for CSFP in the FY2011 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies bill.

Support full funding the Market Access Program (MAP)-$200 million (Programmatic Funding)

To provide $200 million for MAP in the FY2011 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies bill.

Support for the Capacity Building Grants Program-$10 million (Programmatic Funding)

To provide $10 million for the Capacity Building Grants Program in FY2011 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies bill. It is a $1 million increase above the President's FY11 Budget request for the program.