

**Agriculture  
February 2011  
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Adams, Ingrid	Nutrition and Food Science	Bristol Myers Squibb Company	Changing Our Health Destiny: Empowering African American Women	\$0
Bewley, Jeffrey	Animal and Food Sciences	Department of Agriculture	Characterization of Breed Differences in Core Body Temperature, Lying Behavior and Ruminant Behavior Using Novel Precision Dairy Farming Technologies	\$7,560
Burris, Walter	Animal and Food Sciences	KY Beef Network	Master Cattleman Program	\$150,894
Davis, Alison	Agr Economics	Department of Housing and Urban Development	The Provision of Technical Assistance to HUD Grantees by the Community and Economic Development Initiative of Kentucky (CEDIK)	\$181,102
Dillon, Carl	Agr Economics	KY Soybean Promotion Board	Reducing soybean input costs with automatic section control	\$17,500
Farman, Mark	Plant Pathology	National Science Foundation	Telomere Hypervariability in the Fungus, Magnaporthe Oryzae - A Model Plant Pathogen	\$0
Gaskill, Cynthia	Livestock Diag Disease Center	Kentucky Horse Racing Commission	Kentucky Equine Fescue Toxicosis Working Group. Part A: Synthesis of Ergovaline Standard. Part B.: Establishment of an Inter-Laboratory Proficiency Testing Program for Ergovaline Analysis.	\$29,810
Ghabrial, Said	Plant Pathology	KY Soybean Promotion Board	Use of a novel virus-based vector in the search for resistance to the soybean cyst nematode and other important soybean pathogens	\$61,126
Goodin, Michael	Plant Pathology	National Science Foundation	GEPR: Systems Biology of Plant-Virus Interactions	\$2,645,496
Grove, John	Plant & Soil Sciences	KY Soybean Promotion Board	Proximal sensing of soybean crop stress: understanding the relationship of early canopy development to grain yield	\$25,000
Harwood, James	Entomology	University of Georgia	Importance of Natural Enemies for Stink Bug Control	\$10,000
Harwood, James	Entomology	Washington State University	Who's Eating Spider Mites? Molecular Tracking of Mite Predation (WSCPR)	\$20,000
Harwood, James	Entomology	Washington State University	Who's Eating Spider Mites? Molecular Tracking of Mite Predation (WSPC)	\$20,000
Herbek, James	Plant & Soil Sciences	KY Soybean Promotion Board	Optimum planting date for soybean	\$4,000
Hershman, Donald	Plant Pathology	KY Soybean Promotion Board	Survey for strobilurin-resistant frogeye leaf spot	\$18,000

**Agriculture  
February 2011  
Proposal Submissions**

Hershman, Donald	Plant Pathology	KY Soybean Promotion Board	2011 Kentucky soybean rust monitoring and early warning system	\$26,000
Hershman, Donald	Plant Pathology	KY Soybean Promotion Board	Can foliar applied fungicides reduce yield loss in soybean caused by soybean cyst nematode	\$21,000
Hildebrand, David	Plant & Soil Sciences	KY Soybean Promotion Board	Yield evaluation of high oil+protein soybeans and further increasing oil+protein	\$55,357
Horohov, David	Veterinary Science	KY Equine Drug Council	Compariaon of Weaning Method and Probiotic Supplementation on Immune Function in Foals	\$49,408
Horohov, David	Veterinary Science	Kentucky Horse Racing Commission	Determining the Role of Maternal Antibodies in Infection and Immunity to Lawsonia Intracellularis	\$48,915
Hu, Wuyang	Agr Economics	Colorado State University	The economic and management implications of best beef practices and regulatory compliance of food safety in the organic supply chain	\$0
Jacobsen, Krista	Horticulture	University of Georgia	Energy in Sustainable Agriculture: Modeling and Case Studies for Research and Extension	\$268,564
Kachroo, Aardra	Plant Pathology	National Science Foundation	TRMS: Functional characterization of soybean glycerol and glycerolipid □ metabolic activities and their roles in microbial defense	\$1,568,995
Kachroo, Aardra	Plant Pathology	KY Soybean Promotion Board	Engineering resistance to bean pod mottle virus in soybean	\$33,943
Kim, Hyungsoo	Family Studies	National Institute of Health	Family Decision Making and Retirement Savings	\$139,000
Kurzynske, Janet	Nutrition and Food Science	National Institute of Food and Agriculture	Children, Youth, and Families Education and Research Network - Program Component	\$1,090,000
Lear, Teri	Veterinary Science	KY Equine Drug Council	Congenital Foal Contracture: Investigation of Hereditary Influences	\$72,253
Lee, Chad	Plant & Soil Sciences	KY Soybean Promotion Board	Kentucky soybean management verification program: 2011	\$76,833
Maynard, Leigh	Agr Economics	KY Department of Agriculture	Kentucky Dairy Preferences Survey	\$4,000
Mueller, Thomas	RCTF-1-Plant Sciences-Agronomy	Natural Resources Conservation Service	Vision Paper: Development of a Web 2.0 Soil Data Browser for the NRCS	\$25,000
Murdock, Lloyd	Plant & Soil Sciences	United Sorghum Checkoff Program	Efficient Use of Nitrogen on Grain Sorghum in Kentucky	\$3,000

**Agriculture  
February 2011  
Proposal Submissions**

Murray, Deborah	Family & Consumer Sciences	Morehead State University	Evaluation: Martin County Prevention on the Move	\$10,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Health	The Role of Cellular Lipids in Virus Recombination	\$382,250
Pescatore, Anthony	Animal and Food Sciences	Agricultural Research Service	Use of Natural Remedies to Alleviate Enteric Pathogens in Organic Poultry	\$154,000
Pescatore, Anthony	Animal and Food Sciences	University of Nebraska	Nutrition and management strategies to replace synthetic methionine in organic poultry production while maintaining economic efficiency and welfare of the bird	\$169,176
Ritchey, Edwin	Plant & Soil Sciences	KY Soybean Promotion Board	Understanding compenents to high yielding soybean production systems	\$60,000
Rossano, Mary	Animal and Food Sciences	KY Equine Drug Council	Development of a Serological Test to Detect Parascaris Equorum Infection in Horses	\$74,126
Schwab, Gregory	Plant & Soil Sciences	KY Soybean Promotion Board	The ripper challenge: is incorporation really reducing soybean and corn yields?	\$73,822
Shearer, Scott	Biosystems & Ag Eng	Washington State University	Automating Intra-Row Weed Control in Vegetable Crops	\$0
Smalle, Jan	Plant & Soil Sciences	National Institute of Health	Mechanisms of nanoparticle-induced microtubular disruption: a study of the nano-TiO2 effect in Arabidopsis thaliana	\$521,250
Smith, Samuel	Plant & Soil Sciences	University of Tennessee	Development of Research-Based Organic Forage Production Recommendations for the Southeastern U.S.	\$0
Smith, Samuel	Plant & Soil Sciences	University of Tennessee	Restoring imperiled grassland wildlife through grazing innovation in the eastern United States	\$79,901
Swanson, Jason	Merchandising, Apparel & Textiles	Heritage Strategies LLC	Abraham Lincoln National Heritage Area Management Plan and Environmental Assessment	\$11,193
Swerczek, Thomas	Veterinary Science	KY Equine Drug Council	Studies on a Suspect Causative Agent Associated with Fetal Losses in Mares and Other Herbivores	\$100,000
Taraba, Joseph	Biosystems & Ag Eng	Natural Resources Conservation Service	Compost bedded pack barn housing system for dairy manure storage/treatment	\$0
Werner-Wilson, Ronald	Family Studies	National Institute of Mental Health	Social Neuroscience Investigation of Sex/Gender Differences Associated with Therapy Alliance	\$261,230
Werner-Wilson, Ronald	Family Studies	National Institute of Health	A Social Neurosciences Approach to Positive Youth Development	\$128,607

**Agriculture  
February 2011  
Proposal Submissions**

Werner-Wilson, Ronald	Family Studies	National Institute of Health	A Comparative Study of Equine Treatments	\$134,632
Williams, Mark	Horticulture	Iowa State University	Incorporating row covers into muskmelon IPM with a farming systems approach	\$0
Wilson, Patsy	Horticulture	KY Department of Agriculture	Specialty Crop Organic Grape Production in Kentucky	\$20,000
Woods, Timothy	Agr Economics	KY Department of Agriculture	The economic impact of the Kentucky wine industry	\$18,000
Wright, Shawn	Horticulture	KY Department of Agriculture	Specialty Crop Persimmon Evaluation for Eastern Kentucky	\$5,502
Wright, Shawn	Horticulture	KY Department of Agriculture	Specialty Crop Asparagus: A Nutritious, High-Value, Early Crop for Market Gardeners	\$8,277