

**Agriculture
2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Ashurst, Kerri	Kansas State University	Operation Military Kids Camp Initiative	Family & Consumer Sciences	\$0
Bullock, Kevin	Cornell University	National Beef Cattle Evaluation Consortium	Animal and Food Sciences	\$50,000
Downie, A. Bruce	National Science Foundation	Arabidopsis 2010: Collaborative Research Proposal: Regulatory Networks Controlling Seed Maturation, Desiccation and Germination	Horticulture	\$252,708
Fehr, Robert	KY Energy and Environment Cabinet	University of Kentucky Extension Service Agent	Biosystems & Ag Eng	\$60,030
Garkovich, Lorraine	National Institute of Food and Agriculture	Factors Influencing Participation in Disaster and Emergency Planning	Community & Leadership Devel	\$399,851
Ghabrial, Said	KY Science and Technology Co Inc	Rapid Screening and Expression of Valuable Proteins in Soybean using a Virus-Based Vector	Plant Pathology	\$0
Goodin, Michael	National Science Foundation	Arabidopsis 2010: Protein Networks for Transport of Nuclear Proteins	Plant Pathology	\$0
Han, Sung	American Heart Association Great Rivers Affiliate	Engineered Nanoparticles and Endothelial Cell Function	Animal and Food Sciences	\$0
Hanley, Carol	Department of Agriculture	Developing AgriScience Literacy in Kentucky	Center for the Environment	\$0
Hennig, Bernhard	National Institute of Health	Nutrition and Superfund Chemical Toxicity	Animal and Food Sciences	\$0
Hershman, Donald	Agricultural Research Service	Uniform Trial for Integrated Control in FHB: Kentucky	Plant Pathology	\$0
Hildebrand, David	Ashland Inc	Renewable Lubricant Production	Plant & Soil Sciences	\$10,000
Hunt, Arthur	National Science Foundation	Collaborative Project: Arabidopsis 2010: The Role of Alternative Polyadenylation in Plant Development, Stress Responses and Natural Variations	Plant & Soil Sciences	\$208,669
Husband, Andrea	Pennsylvania State University	Research, Training, and Facilitation of Food Protection Plans for Small- to Medium-Sized Food Processors: An EDEN Partnership Project	Agr Programs	\$112,843
Johnson, Douglas	Cooperative State Research Education and Extension	IPM in Kentucky: Integrated Development and Delivery	Entomology	\$133,778

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Kachroo, Aardra	KY Science and Technology Co Inc	A Biological Sensor for Monitoring Real-Time Changes in a Primary Metabolite Mediating Plant Immunity	Plant Pathology	\$0
McCulley, Rebecca	National Science Foundation	Ecosystem Studies, RUI: Effects of Soil Freezing on Soil Microbes and Nitrogen (N) Dynamics of N-saturated Soils of a Temperate Hardwood: A Paradox of Global Warming	Plant & Soil Sciences	\$49,783
McCulley, Rebecca	National Science Foundation	Collaborative Research: Do Expected Evolutionary Trade-Offs in Enzyme Activities Manifest at the Level of Microbial Community Function?	Plant & Soil Sciences	\$285,314
McCulley, Rebecca	National Science Foundation	Collaborative LTREB: Long-Term Consequences of Endophyte Symbiosis on Above- and Below-Ground Communities	Plant & Soil Sciences	\$111,186
Nagy, Peter	National Science Foundation	Key Role of the Multifunctional Translation Elongation Factor in Virus Replication	RCTF-1-Plant Sciences-PlantPath	\$0
Palli, Subba	KY Science and Technology Co Inc	Feeding RNAi for Pest Management	Entomology	\$49,940
Palmer, Gary	Department of Education	Agriculture Training Program for People with Disabilities in Underserved Rural Appalachia	Agr Programs	\$200,000
Rieske-Kinney, Lynne	Cooperative State Research Education and Extension	Integrating Natural Enemies and Habitat Manipulation to Develop a Sustainable Approach for Managing Arthropod Herbivores Impacting Chestnut Production	Entomology	\$514,328
Schnelle, Rebecca	Department of Agriculture	Specialty Crop Research Initiative	Horticulture	\$0
Sharkey, Michael	National Science Foundation	Overcoming Taxonomic Impediments: Phylogenetic Analysis and Revision of Agathidinae (Hymenoptera: Braconidae) and Cremnops (Agathidinae)	Entomology	\$787,099
Shearer, Schott	Washington State University	Systems Approach to Sustainable Weed Management in Vegetable Crops	Biosystems & Ag Eng	\$299,821
Skees, Jerry	GlobalAgRisk Inc	Innovation in Catastrophic Weather Insurance to Improve the Livelihoods of Rural Households	Agr Economics	\$52,034
Stephenson, Laura	Auburn University	Kentucky Healthy Homes and Communities	Family & Consumer Sciences	\$4,000
Stephenson, Laura	KY Department of Agriculture	Specialty Crop Recipe Development with Nutritional Research Component	Family & Consumer Sciences	\$40,000
Tanaka, Keiko	National Institute of Food and Agriculture	Globalizing Agricultural Education: Sustainable Agriculture, Food, and Rural Development	Community & Leadership Devel	\$150,000
Vail, Ann	National Institute of Food and Agriculture	Statewide Cooperative Extension Health Intervention Program Addressing the Poor Health Literacy and Health Status of Kentuckians through collaboration with Academic Health Colleges	School of Human Envir Sciences - Admin	\$0

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Vaillancourt, Lisa	Agricultural Research Service	Genetics of Quantitative Pathogenic Variation in Fusarium Graminearum	Plant Pathology	\$13,697
Vanzant, Eric	Agricultural Research Service	ARS/SCA Cooperative Agreement - Grazing Strategies to optimize Production in Endophyte-Infected Tall Fescue Pasture Systems	Animal and Food Sciences	\$1,350,332
Warner, Richard	Natural Resources Conservation Service	Soil Moisture-Based Automatic Pulse Irrigation System for Water Conservation	Biosystems & Ag Eng	\$94,123
Webber, Kelly	American Heart Association	Development and Testing of a Behavioral Weight Loss Treatment for Appalachian Adults	Nutrition and Food Science	\$77,000
Woods, Timothy	KY State University	A Mobile Kitchen for Fruit and Vegetable Processing Training and Extension Initiatives for Pawpaw and Sorghum Syrup	Agr Economics	\$32,330
Zhou, Xuguo	National Institute of Food and Agriculture	US-China Partnership in the Next Generation of Sustainable Pest Controls	Entomology	\$150,000
Zhu, Hongyan	National Science Foundation	Genetic Control of Pod Shattering in Soybeans	Plant & Soil Sciences	\$161,116
Zhu, Hongyan	National Science Foundation	The Role of a CYCLOPS Interacting Protein in Root Symbioses	Plant & Soil Sciences	\$492,853