

**Agriculture  
May 2011  
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Ashurst, Kerri	Family & Consumer Sciences	National Institute of Food and Agriculture	Operation: Military Kids 2012	\$0
Balasuriya, Udeni	Veterinary Science	Kansas State University	Development of Real-Time RT-PCR Assays for Rapid Detection of Nipah, Hendra, and Japanese Encephalitis Viruses	\$58,896
Bewley, Jeffrey	Animal and Food Sciences	National Institute of Food and Agriculture	An Integrated System for Precision Monitoring of Dairy Cow Feed Intake, Body Condition Score, and Rumination Behavior	\$498,465
Brown, Roger	Agr Economics	National Science Foundation	Charity Science: An Online Research Service-Learning Program	\$195,702
Coyne, Mark	Plant & Soil Sciences	National Institute of Food and Agriculture	Trans-Disciplinary Research For Integrated Plant and Soil Sciences: A National Needs Project	\$210,000
Fehr, Robert	Biosystems & Ag Eng	KY Energy and Environment Cabinet	Energy - A Cooperative Extension Program for Kentucky's Building Systems Energy Needs 2011-2012	\$0
Hanley, Carol	Center for the Environment	National Science Foundation	Scaling Up Community-Based Investigations through Geospatial Technologies and Career Internships: A GeoSTEM Consortium	\$1,999,991
Harper, Carl	Entomology	Slow the Spread Foundation	Monitor Gypsy Moth Populations for Slow the Spread Program	\$50,000
Haynes, Kenneth	Entomology	Pennsylvania State University	Mechanisms for Sudden Evolutionary Important Shifts in Sensitivity of Insect Peripheral Olfactory Organs	\$0
Hershman, Donald	Plant Pathology	Agricultural Research Service	Uniform Trial for Integrated Control in FHB: Kentucky	\$9,164
Hildebrand, David	Plant & Soil Sciences	Department of Energy	Development of Salvia hispanica as a New Renewable Oil Resource for the US	\$1,668,931
Horohov, David	Veterinary Science	Land O Lakes Purina Feed LLC	The New Formulation of Purina Equine Senior Feed	\$120,000
Husband, Andrea	Agr Programs	Purdue University	Agrosecurity Planning National EDEN Issue Leader Team	\$10,000
Husband, Andrea	Agr Programs	National Institute of Food and Agriculture	Enhancing Community Resilience: Discussion-based Exercises of Agrosecurity Plans	\$117,650
Ingram, Dewayne	Horticulture	Horticultural Research Institute	Analyzing the environmental impact (carbon footprint) and economic costs of field-grown flowering tree production system components	\$19,000

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Kabengi, Nadine	Plant & Soil Sciences	National Science Foundation	Who Wants to Be a Scientist: A Problem-Based Learning Class on the Nature of Science to Attract Undeclared Freshmen into STEM Majors	\$383,000
Kachroo, Pradeep	Plant Pathology	National Science Foundation	REU Supplement to Support Research of Undergraduate Student: Glycerol Metabolism and Its Role in Biotrophy Versus Necrotrophy in an Arabidopsis/Fungal Hemibiotroph Model System	\$6,000
Mueller, Thomas	RCTF-1-Plant Sciences-Agron	National Institute of Food and Agriculture	A Web-Based GIS Tool for Designing Grassed Waterway Systems	\$500,000
Mullins, Janet	Nutrition and Food Science	University of Georgia	KY Family & Consumer Sciences' Sustainable Eating Initiative: A core curriculum for County FCS Agents	\$7,956
Mullins, Janet	Nutrition and Food Science	KY Department of Agriculture	Kentucky Chefs Move to School	\$5,000
Murdock, Lloyd	Plant & Soil Sciences	KY Corn Growers Association	Equipment Funds-Match	\$62,696
Murdock, Lloyd	Plant & Soil Sciences	KY Soybean Promotion Board	Equipment Funds-Match	\$62,971
Murray, Deborah	Family & Consumer Sciences	National Institute of Food and Agriculture	A Multilevel Community Approach to Understanding and Preventing Childhood Obesity: Creating IDEAL (Identifying Dietary, Environmental, and Lifestyle) factors for community action/prevent	\$2,500,000
Osborne, Ashley	Plant & Soil Sciences	Texas A&M University	Southern Regional Water Conference - Youth Environmental Education Track	\$2,755
Osborne, Ashley	Plant & Soil Sciences	Texas A&M University	Put Pills in Their Place: Pharmaceutical Disposal Program	\$11,200
Shearer, Scott	Biosystems & Ag Eng		Next GEN Combine Grain Sampling System and Moisture Sensor Testing	\$15,214
Slack, Charles	Plant & Soil Sciences	Monsanto Co	DTS Weed Management System - Service Order No. 12	\$4,000
Stephenson, Laura	Family & Consumer Sciences	University of Nebraska	Child Care and Youth Training and Technical Assistance Project- State Extension Liaisons	\$45,000
Tanaka, Keiko	Community & Leadership Deve	KY Department of Agriculture	Research on the Kentucky Proud Program	\$3,600
Thom, William	Regulatory Services	Food and Drug Administration	Medicated Feed Mill & BSE Rule Inspections	\$35,131
Unrine, Jason	Plant & Soil Sciences	Environmental Protection Agency	Development of two-dimensional field flow fractionation techniques for analysis of engineered nanoparticles in soil and sediment pore waters and extracts.	\$79,896

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Vaillancourt, Lisa	Plant Pathology	Agricultural Research Service	Genetics of Quantitative Pathogenic Variation in Fusarium graminearum Feedstock Production	\$17,659
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	USWBS FY11 Networking and Facilitation Office, and Website	\$144,800
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties	\$59,249
Walters, Cory	Agr Economics	KY Small Grain Growers Association	Hedging Opportunities Against Declines in Land Values	\$50,000
Witt, William	Plant & Soil Sciences	KY Transportation Cabinet	Management of Troublesome Weeds in Highway Rights-of-Way	\$233,464