

**Agriculture
September 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Barton, Christopher	University of Georgia	Stream System Field Condition Assessment - Phase II	Forestry	\$56,024
Bessin, Ricardo	Monsanto Co	Evaluation of fall armyworm and corn earworm efficacy of SmartStax corn hybrids and related biotech stacks	Entomology	\$7,500
Bewley, Jeffrey	Binational Agricultural Research & Development Fun	Automation of Dairy Cattle Body Condition Scoring through Image Processing	Animal and Food Sciences	\$0
Chambers, Thomas	Science Applications International Co	Testing Methods for Influenza Infection in Equine Models (Pilot #2)	Veterinary Science	\$50,729
Chappell, Joseph	Pennsylvania State University	ARRA: Davis-Bacon Certification - Advanced Biofuels Consortia	Plant & Soil Sciences	\$0
Cox, John	KY Department of Fish and Wildlife	The Common Raven in Cliff Habitat: Detection and Occupancy	Forestry	\$60,000
Cox, Nancy	Agricultural Research Service	Acquisition of Goods and Services for USDA Offices in Ag North - 2009-2010	Assoc Dean Research/Director AES	\$29,825
Hanley, Carol	KY Council on Postsecondary Education	Using Outdoor Spaces as Laboratory for STEM Learning	Center for the Environment	\$146,550
Harwood, James	Binational Agricultural Research & Development Fun	Biological Control of Cereal Aphids in Wheat: Implications of Alternative Foods and Intraguild Predation	Entomology	\$116,000
Husband, Andrea	Purdue University	EDEN Strengthening Community Agrosecurity Planning (S-CAP) Workshop in Indiana	Agr Programs	\$0
Husband, Andrea	Purdue University	The EDEN Strengthening Community Agrosecurity PLanning (S-CAP) Train-the-Trainer Project: Phase 2	Agr Programs	\$64,000
Kachroo, Aardra	Department of Energy	Characterizing the Mechanisms of Light-Dependent Activation of Plant Defense	Plant Pathology	\$749,719
Lawrence, Laurie	Prairie Oat Growers Association	Past, Present and Future: The Nutritional Value of Oats in Horse Feeds	Animal and Food Sciences	\$31,328
Reed, Michael	Foreign Agricultural Service	Borlaug International Science Program for Central America on Postharvest Technology	International Programs	\$13,393
Rieske-Kinney, Lynne	Northern Nut Growers Association	Interactions between the Asian Chestnut gall wasp and potential natural enemies	Entomology	\$6,574

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Shearer, Scott	John Deere Dubuque Works of Deere and Company	Harvested Crop Sensing Suite: Obj 1 and 2	Biosystems & Ag Eng	\$78,276
Stephenson, Laura	Auburn University	Kentucky Healthy Homes and Communities	Family & Consumer Sciences	\$4,000
Tang, Guiliang	Department of Energy	ARRA: UV-B Responsive miRNAs, Impact, and Their Application in Biosensing using Plants	Plant & Soil Sciences	\$0
Tang, Guiliang	National Science Foundation	BREAD: Phosphorus Responsive miRNAs and Non-Invasive in Planta Assay of the Phosphorus Status in Arabidopsis and Rice	Plant & Soil Sciences	\$0
Tang, Guiliang	National Science Foundation	Biosensing: Novel Plant Biosensors for Real-Time Monitoring the Change of UV-B Radiation and the Impact on Plants	Plant & Soil Sciences	\$0
Vail, Ann	KY Cabinet for Health and Family Services	Supplemental Nutrition Assistance Program-Education (SNAP-Ed)	Family & Consumer Sciences	\$0
Zhu, Hongyan	National Science Foundation	BREAD: Leveraging Genetic and Genomic Resources to Clone a Major Quantitative Trait Locus Regulating Pod Dehiscence in Soybeans	Plant & Soil Sciences	\$0