

**Agriculture
March 2011
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Davis, Alison	Agr Economics	National Institute of Food and Agriculture	Creating Regional Entrepreneurial Assets through Teaching and Extension (CREATE)	\$494,792
Davis, Alison	Agr Economics	National Endowment for the Arts	Fine Arts Extension Summit: Tools and Techniques for Incorporating Fine Arts Programming in Your Community	\$16,109
Davis, Alison	Agr Economics	National Institute of Food and Agriculture	Southern Rural Economic Development Conference	\$24,952
Davis, Alison	Agr Economics	Center for Disease Control and Prevention	R-CHAD: Rural Community Health Assessment and Design	\$483,747
Fei, Songlin	Forestry	KY State University	ASynergistic Framework of Plant Invasion Research: From Spatial Pattern and Molecular Evidence to Strategic Management.	\$99,812
Halich, Gregory	Agr Economics	National Institute of Food and Agriculture	Flexible Cash Leases: Reducing Price Risk	\$12,903
Hancock, John	Agr Programs	National Institute of Food and Agriculture	Kentucky AgrAbility	\$720,000
Harwood, James	Entomology	National Science Foundation	Dimensions: Collaborative Research: Interaction Diversity as a Unified Axis for Studies of Biodiversity and Food Webs Across Broad Geographic Gradients	\$599,521
Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Conference Supplement, Superfund	\$49,500
Hershman, Donald	Plant Pathology	University of Tennessee	Investigations into the Occurrence, Distribution, and Impact of Nematodes in Soybean Fields in the Southern United States	\$13,450
Hildebrand, David	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Branch-Chain Fatty Acid Production in Plants	\$110,228
Husband, Andrea	Agr Programs	Purdue University	The EDEN Strengthening Community Agrosecurity Planning (S-CAP) Train-the-Trainer Project: Phase 4	\$74,541
Jackson, Vanessa	Merchandising, Apparel & Textiles	Ohio State University	Rural Community Economic and Social Resiliency Capacity: Impact of Shared Vision on Community Performance Outcomes	\$5,000,000
Lhotka, John	Forestry	University of Tennessee	A fuzzy logic based GIS tool for locating economically viable energy crop plantations.	\$98,472
Moe, Luke	Plant & Soil Sciences	National Science Foundation	A Functional Metagenomic Approach to Identify Biological Recognition Elements for Biosensing Applications	\$215,866

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Montross, Michael	Biosystems & Ag Eng	National Institute of Food and Agriculture	Life Cycle Analysis of Early and Delayed Harvest of Switchgrass and Miscanthus	\$99,909
Montross, Michael	Biosystems & Ag Eng	North Carolina State University	Establishing Supply Chain Parameters for Sorghums and High Moisture Herbaceous Biomass Crops	\$51,097
Murray, Deborah	Family & Consumer Sciences	Foundation for a Healthy KY	2011 Kentucky Health Literacy Summit	\$1,500
Obrycki, John	Entomology	Animal and Plant Health Inspection Service	Emerald Ash Borer Survey and Outreach in Kentucky	\$763,656
Palli, Subba	Entomology	National Institute of Food and Agriculture	Risk assessment of non-target effects and resistance development in pests fed on double stranded RNA	\$485,672
Palli, Subba	Entomology	National Institute of General Medical Sciences	Molecular Analysis of Juvenile Hormone Action	\$834,000
Pescatore, Anthony	Animal and Food Sciences	National Institute of Food and Agriculture	Profitable and Sustainable Poultry Production on Small- and Medium-Sized Farms	\$499,999
Pushkarskaya, Helen	Agr Economics	National Institute of Food and Agriculture	Promoting entrepreneurship in distressed rural communities: Integrating psychological and sociological perspectives.	\$0
Schardl, Christopher	Plant Pathology	National Science Foundation	Dimensions: Collaborative Research: Genotypic and Chemotypic Diversity of Bioprotective Plant Symbionts	\$0
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	Kentucky Woodlands Magazine - Wood Borer Issues	\$20,000
Taraba, Joseph	Biosystems & Ag Eng	Department of Agriculture	Compost Bedded Pack Barn Housing System for Dairy Manure Storage/Treatment	\$0
Unrine, Jason	Plant & Soil Sciences	Carnegie Mellon University	Fate, Transport, and Toxicity of NTO and its Breakdown Products Using 14C- and 15N-labeled NTO	\$116,923
Vaillancourt, Lisa	Plant Pathology	Monsanto Co	Pathogenicity Determinants of Colletotrichum Graminicola	\$136,536
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	U.S. Wheat and Barley Scab Initiative's Networking and Facilitation Office and Website	\$180,000
Vincelli, Paul	Plant Pathology	University of Florida	Southern Plant Diagnostic Network	\$0
Walters, Cory	Agr Economics	National Institute of Food and Agriculture	Integrating ACRE and Crop Insurance (2): A Comprehensive Risk Management Strategy	\$13,018

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Zhou, Xuguo	Entomology	National Institute of Food and Agriculture	Developing a framework for assessing the risks of in planta RNAi on non-target arthropods	\$500,000
Zhou, Xuguo	Entomology	National Science Foundation	Discovery of Novel Biocatalysts for Lignocellulosic Biomass Conversion in the Wood-feeding Cockroach by Transcriptomic Analyses and Protein Engineering	\$752,122