

**Agriculture
April 2012
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Davis, Alison	Agr Economics	Health Resources and Services Administration	Rapid Response for Rural Data Analysis and Issues specific rural research Studies	\$1,227,637
Maynard, Leigh	Agr Economics	Fayette County Farm Bureau	Influence of the Agricultural Cluster on the Fayette County Economy	\$26,000
Meyer, Alphone	Agr Economics	University of Georgia	Implement Plan of Work for the Southern Region SARE program	\$39,008
Meyer, Alphone	Agr Economics	University of Georgia	So. SARE PDP - Ky Model State Plan - Training Funds	\$10,000
Meyer, Alphone	Agr Economics	University of Georgia	So SARE PDP Ky Model State Plan - Program Assistant	\$0
Fehr, Robert	Biosystems & Ag Eng	KY Energy and Environment Cabinet	A Cooperative Extension Program for Kentucky's Energy Efficiency Education Needs 2012-2013	\$113,000
Higgins, Stephen	Biosystems & Ag Eng	KY Energy and Environment Cabinet	Managing Mud, Manure, and Runoff: Kentucky Livestock BMP Demonstration and Training Project	\$833,333
Higgins, Stephen	Biosystems & Ag Eng	KY Energy and Environment Cabinet	Managing Mud, Manure, and Runoff:Central Kentucky Livestock BMP Demonstration	\$416,667
Osborne, Ashley	Plant & Soil Sciences	Auburn University	Healthy Indoor Environments in EPA Region 4: Using Cooperative Extension to Deliver Best Practices	\$10,000
Smith, Samuel Ray	Plant & Soil Sciences	Natural Resources Conservation Service	Multiple Uses forSwitchgrass Stands Following Biomass Production	\$75,000
Smith, Samuel Ray	Plant & Soil Sciences	University of Tennessee	Assessing Pollinator Mixes in Mid-South Grazing Lands	\$151,722
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties#	\$56,545
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	U.S. Wheat and Barley Scab Initiative's Networking and Facilitation Office and Website	\$71,720
Mueller, Thomas	RCTF-1-Plant Sciences-Agronomy	Forest Service	Methodology for Designing Vegetative Buffers Usin GIS and Terrain Analysis	\$75,000
Mueller, Thomas	RCTF-1-Plant Sciences-Agronomy	Natural Resources Conservation Service	GIS and Cloud Computing Tools for Soil and Water Conservation: Grassed Waterways and Nitrogen Fertilizer Recommendations.	\$0
Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Nutrition and Superfund Chemical Toxicity	\$13,705,970

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Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Nutrition and Superfund Chemical Toxicity	\$10,296,028
Pescatore, Anthony	Animal and Food Sciences	Agricultural Research Service	Use of Natural Remedies to Alleviate Enteric Pathogens in Organic Poultry	\$69,349
Bessin, Ricardo	Entomology	Rutgers University	Whole Farm Organic Management of BMSB and other Pentatomids through Habitat Manipulation	\$89,028
Collins, Joseph	Entomology	Animal and Plant Health Inspection Service	Pine Shoot Beetle (<i>Tomicus piniperda</i>) Survey	\$11,290
Collins, Joseph	Entomology	Animal and Plant Health Inspection Service	Biological Control of the Hemlock Woolly Adelgid	\$18,480
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 regions	\$1,055,604
Harwood, James	Entomology	University of Georgia	Importance of Natural Enemies for Stink Bug Control	\$12,000
Haynes, Kenneth	Entomology	National Institute of Allergy and Infectious Diseases	Molecular analysis of multiple insecticide resistance mechanisms in field collected bed bugs	\$1,702,400
Palli, Subba	Entomology	National Science Foundation	Planning Grant: I/UCRC for Arthropod Management Technologies	\$11,499
Rieske-Kinney, Lynne	Entomology	National Institute of Food and Agriculture	Natural enemy recruitment and habitat manipulations enhance biological controls to suppress a rapidly accumulating invasive pest complex in chestnut	\$154,679
Webb, Bruce	Entomology	ParaTechs Corp	SBIR: Biological methods for enhancing wound healing properties.	\$52,239
Arthur, Mary	Forestry	Joint Fire Science Program	Prescribed Fire in Eastern Oak Forests: Long-term Changes in Stand Structure, Oak Seedlings and Fuels	\$463,087
Lhotka, John	Forestry	Department of Energy	Developing a Sustainable Woody Bioenergy System for the Appalachian Coal Basins	\$4,800,000
Coolong, Timothy	Horticulture	University of Iowa	Shielding cucurbit crops for resilient agroecosystems	\$316,514
Farman, Mark	Plant Pathology	Kansas State University	Novel Strategies for Managing Blast Diseases on Rice and Wheat	\$295,182
Hershman, Donald	Plant Pathology	Agricultural Research Service	Effects of Local Corn Debris Management on FHB and DON Levels (Year Two): KY	\$1,716

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Hershman, Donald	Plant Pathology	KY Soybean Promotion Board	2012 Kentucky Soybean Rust Monitoring and Early Warning System	\$12,000
Kachroo, Pradeep	Plant Pathology	National Science Foundation	REU: Glycerol Metabolism and its Role in Biotrophy Versus Necrotrophy in an Arabidopsis/Fungal Hemibiotroph Model system.	\$6,000
Schardl, Christopher	Plant Pathology	National Science Foundation	Dimensions, Collaborative Research: Integrating chemotypic diversity, evolution, and ecological function of bioprotective plant symbionts	\$513,461
Vincelli, Paul	Plant Pathology	University of Florida	Southern Plant Diagnostic Network, Kentucky Component	\$22,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Allergy and Infectious Diseases	mechanism of inhibition of +RNA virus replication by cyclophilins	\$382,250
Tanaka, Keiko	Community & Leadership Devel	University of Georgia	Mapping Sustainable Farm Systems: An Integrated Focus on Upper South New Producers as Catalysts of #Good Stewardship."	\$270,000
Tanaka, Keiko	Community & Leadership Devel	Agricultural Research Service	Improvement and Implementation of Organic Pecan Systems in the Southeastern US	\$32,051
Thom, William	Regulatory Services	Food and Drug Administration	Enhancing and Building the Capability of Feed Safety in Kentucky	\$0
Carter, Craig	Veterinary Diagnostic Laboratory	KY Department of Agriculture	Bovine Spongiform Encephalopathy Testing and Related Services	\$2,520
Carter, Craig	Veterinary Diagnostic Laboratory	Animal and Plant Health Inspection Service	Diagnostic Laboratory Support of NAHLN	\$55,000
Mains, Mark	4-H Central Operations	National Four H Council	Engaging Youth, Serving Community- EYSC10	\$0
Hunter, Jennifer	Family Studies	University of Arkansas	Preparing for the Future while Navigating Uncertain Economic Times	\$37,359
Easter, Elizabeth	Merchandising, Apparel & Textiles	Federal Emergency Management Agency	Firefighter Durability Research: Evaluating Used Firefighter's Gear to determine how Protection Levels Change over the Lifetime of the Garment	\$750,000