

**Agriculture  
May 2013  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Cox, Nancy	Assoc Dean Research/Director AES	Agricultural Research Service	FAPRU SCA	\$735,720
Davis, Alison	Agr Economics	National Institute of Food and Agriculture	ReadyCommunity Continuation Project	\$195,325
Dillon, Carl	Agr Economics	Southern Agricultural Research Service	Martin Grad Student Project: Farmer Perceptions of Sustainable Production Practices	\$9,661
Katchova, Ani	Agr Economics	National Institute of Food and Agriculture	Farm Transitions: Enhancing Intergenerational Transfers for Small and Medium-Sized Farms	\$487,882
Katchova, Ani	Agr Economics	Kansas State University	Farm Business Management and Benchmarking: Kansas, Illinois, and Kentucky Collaboration	\$72,388
Woods, Timothy	Agr Economics	University of Georgia	Economic Analysis of Commercial Aquaponic Production Systems	\$9,975
Woods, Timothy	Agr Economics	National Institute of Food and Agriculture	Prosperity under plastic: High tunnel crops for raising small farm incomes in southern Appalachia	\$499,898
Higgins, Stephen	Biosystems & Ag Eng	KY Natural Resources Environmental Protection Cabinet	Agriculture Water Quality and Nutrient Management Education and Outreach Project	\$63,900
Bruening, William	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Performance of Small Grain Varieties in Kentucky	\$9,000
Carter, Sara	Plant & Soil Sciences	Bayer CropScience GmbH	Bayer Soybean	\$10,000
Carter, Sara	Plant & Soil Sciences	Monsanto Co	Monsanto 24-14	\$5,000
Carter, Sara	Plant & Soil Sciences	Syngenta Crop Protection	Syngenta Soybean	\$14,000
Goff, Ben	Plant & Soil Sciences	Southern Sustainable Agriculture Research	Interseeding Introduced and Native Legume Species into Eastern Gamagrass Pastures for Sustainable Grazing Systems	\$256,786
Goff, Ben	Plant & Soil Sciences	National Forage Testing Association	The Effect of Probe Tip and Power Source on Sampling Repeatability and Estimated Nutritive Value of Alfalfa Hay	\$8,353

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McCulley, Rebecca	Plant & Soil Sciences	University of Georgia	Interactions between above- and belowground microbial symbionts and effects on pasture sustainability	\$9,407
Slack, Charles	Plant & Soil Sciences	Monsanto Co	MON 09-08	\$6,000
Perry, Sharyn	RCTF-1-Plant Sciences-Agronomy	United Soybean Board	Improvement of regeneration to facilitate identification of molecular pathways involved in yield, composition, and stress resistance.	\$161,682
Lindemann, Merlin	Animal and Food Sciences	Natl Pork Board	An Integrated Evaluation of the Nutrient Uplift Provided by Xylanase in Finishing Diets	\$128,429
Brown, Grayson	Entomology	KY Department for Public Health	FY 13-14 UK Mosquito Surveillance	\$10,260
Harwood, James	Entomology	University of Georgia	Impact of border vegetation on soybean pest management	\$10,646
Harwood, James	Entomology	KY Department of Agriculture	Assessing the interactive effects of on-farm management in cucurbit production systems	\$49,835
Palli, Subba	Entomology	National Institute of Allergy and Infectious Diseases	Identification of novel insecticides to control mosquitoes	\$385,000
Cox, John	Forestry	KY Department of Fish and Wildlife	Population Growth and Expansion of the Black Bear in Eastern Kentucky	\$93,000
Cox, John	Forestry	KY Department of Fish and Wildlife	Resource Selection, Movement Patterns, Survival, and Cause-Specific Mortality of Adult Bull Elk in Kentucky	\$55,000
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	Forest and Wood Product Certification Educational Outreach	\$55,000
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	UK Forest Stewardship Public Awareness, Publicity & Training	\$20,000
Cassady, Christy	Horticulture	KY Department of Agriculture	Specialty Crops with Profit Potential for Kentucky Growers	\$49,244
Downie, A. Bruce	Horticulture	United Soybean Board	Identify the weakest link proteins/pathways in the capacity of the soybean plant to tolerate abiotic stress.	\$99,707
Geneve, Robert	Horticulture	Horticultural Research Institute	Why does the timing of cyclic irrigation impact plant growth during container nursery production?	\$25,000

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Geneve, Robert	Horticulture	KY Department of Agriculture	High Density Organic Tomato Production in High Tunnel	\$25,786
Kachroo, Aardra	Plant Pathology	United Soybean Board	Manipulating glycerol-3-phosphate biosynthesis for improved oil content and nodulation efficiency in soybean	\$113,223
Kachroo, Aardra	Plant Pathology	United Soybean Board	Identifying soybean genes for enhanced resistance to nematodes	\$78,637
Schardl, Christopher	Plant Pathology	National Science Foundation	Dimensions: Collaborative Research: Convergent evolution and chemotypic diversification of vertically transmitted plant-symbiotic fungi	\$1,024,131
Tanaka, Keiko	Community & Leadership Devel	Kansas State University	Impacts of Values-Based Supply Chains on Small and Medium-Sized Farms	\$72,286
Carter, Craig	Veterinary Diagnostic Laboratory	Animal and Plant Health Inspection Service	Diagnostic Laboratory Support of NAHLN	\$50,875
Torres, Nayda	Family & Consumer Sciences	National Institute of Food and Agriculture	Children, Youth and Families at Risk Liaison	\$48,710
Higdon, Andrea	Agr Programs	National Institute of Food and Agriculture	Improving Whole Community Animal and Agriculture Preparedness	\$76,016
Gustafson, Alison	Nutrition and Food Science	National Institute of Health	Connecting Together for a Healthy Weight	\$350,000
Stephenson, Tammy	Nutrition and Food Science	KY Department of Agriculture	Plate it Up, Kentucky Proud Recipe Development for Consumers and Producers with One-Dish Healthy Meals Research Component	\$50,000
Jackson, Vanessa	Merchandising, Apparel & Textiles	Ohio State University	Sense of Community, Shared Vision and Resilience Capacity: Links to Small Business Attraction and Retention and Regional Cooperation	\$71,805