

**Agriculture
February 2015
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Cox, Nancy	Assoc Dean Research/Director AES	Agricultural Research Service	2014-15 Acquisition of Goods & Services for the USDA Offices in Ag North--O&M	\$9,999
McNeill, Sam	Biosystems & Ag Eng	Rural Development	Technical Assistance for Energy Audits and Renewable Energy Projects in Rural Kentucky	\$67,169
Montross, Michael	Biosystems & Ag Eng	National Institute of Food and Agriculture	Forage and Resource Management Tool for Beef Producers Implementing Rotational Grazing	\$150,000
Nokes, Sue	Biosystems & Ag Eng	Louisiana State University	Innovative Materials and Processes to Overcome Barriers to Sustainable Agro-Industrial Production at the Food/Water/Energy Nexus	\$1,996,548
Hildebrand, David	Plant & Soil Sciences	National Institute of Food and Agriculture	Gene Stacking in Soybeans to Increase Oil Content and Branched Chain Fatty Acid Accumulation	\$70,780
McCulley, Rebecca	Plant & Soil Sciences	National Institute of Food and Agriculture	How Do Aboveground Fungal Endophytes and Grass Genotype Affect Belowground Mycorrhizal Symbiosis and Pasture Response to Climate Change?	\$35,290
Ritchey, Edwin	Plant & Soil Sciences	Natural Resources Conservation Service	Soil Health Synergy: Using Innovative Approaches to Reduce Nutrient Loss from Grain Production Systems	\$705,474
Smith, Samuel	Plant & Soil Sciences	Natural Resources Conservation Service	Reducing Environmental Impact by Improving Pasture Management on Horse Farms in Kentucky	\$183,734
Van Sanford, David	Plant & Soil Sciences	Agricultural Research Service	U.S. Wheat and Barley Scab Initiative's Networking and Facilitation Office and Website.	\$69,681
Van Sanford, David	Plant & Soil Sciences	US Department of Agriculture	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties.	\$62,945
Bewley, Jeffrey	Animal and Food Sciences	Amelgo LLC	Intramammary infusion for hastened evolution	\$11,861
Barton, Christopher	Forestry	National Fish and Wildlife Foundation	Restoring shortleaf pine and headwater wetland communities in the Cumberland Plateau	\$58,665
Barton, Christopher	Forestry	University of Tennessee	Mineland reforestation for upland habitat improvement on the Cumberland Plateau	\$132,902
Barton, Christopher	Forestry	US Geological Survey	Water Resources in a Changing World: How Changes in Climate and Land-Use Influence Water Quality and Quantity in the Cumberland Plateau Region of Kentucky	\$247,475

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Vaillancourt, Lisa	Plant Pathology	East Carolina University	MicroRNAs for Improving Switchgrass Tolerance to Anthracnose Disease	\$248,548
Vincelli, Paul	Plant Pathology	University of Georgia Agriculture Experiment Station	SARE Sustainable Ag Training Program (MSP)	\$11,111
Vincelli, Paul	Plant Pathology	University of Georgia Agriculture Experiment Station	SARE Sustainable Ag Training Program (MSP)- Program Assistant	\$20,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Allergy and Infectious Diseases	Blocking RNA Virus Replication Through the Antiviral Functions of Cellular Helicases	\$385,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Allergy and Infectious Diseases	Co-opting Glycolysis Enzymes for RNA Virus Replication	\$385,000
Kahl, Daniel	Community & Leadership Devel	Kansas State University	Communities Preventing Childhood Obesity Coaching	\$29,293
Sass, Christopher	Landscape Architecture	Town Branch Trail	Town Branch Streambank Renewal & Stormwater Remediation (KY)	\$0
Sass, Christopher	Landscape Architecture	Landscape Architecture Foundation	LAF Case Study Investigation	\$6,720