

**Agriculture
May 2014
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Fehr, Robert	Biosystems & Ag Eng	KY Energy and Environment Cabinet	Energy Education Awareness and Action (E2A2)	\$17,500
Fehr, Robert	Biosystems & Ag Eng	KY Energy and Environment Cabinet	Kentucky Cooperative Extension Education Energy Outreach Program, 2014-2015	\$100,000
Taraba, Joseph	Biosystems & Ag Eng	Foreign Agricultural Service	Proposal to Host Borlaug Fellow from Mexico on Greenhouse Gas (GHG) Emissions from Composting	\$24,207
Wilhoit, John	Biosystems & Ag Eng	KY Department of Agriculture	Increasing Productivity and Enhancing Labor Utilization for Market Grower Vegetable Production	\$36,319
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Conservation tillage evaluation in dark tobacco	\$7,000
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Triple mutant dark hybrid stress test	\$28,000
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Triple mutant dark hybrid evaluations	\$42,000
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Pale yellow double crop curing systems	\$28,000
Hildebrand, David	Plant & Soil Sciences	National Institute of Food and Agriculture	improved canola analysis for marketing and cropping systems and addressing stakeholder needs of the Lower Midwest and Mid-South Regions	\$206,245
Lee, Brad	Plant & Soil Sciences	Natural Resources Conservation Service	Climate change impacts on soil-water availability under different land management: forest and grasslands in MLRA 120	\$172,000
Lee, Chad	Plant & Soil Sciences	Monsanto Co	Effect of planting date and RM on performance of DroughtGard hybrids under moderate stress or VRI systems	\$6,720
Martin, James	Plant & Soil Sciences	Monsanto Co	Evaluation of Residual Properties of MON119096	\$6,370
Martin, James	Plant & Soil Sciences	Monsanto Co	Roundup Xtend Sustems Recommendations	\$11,200
Slack, Charles	Plant & Soil Sciences	Monsanto Co	Monsanto SO 10	\$8,960

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Smith, Samuel	Plant & Soil Sciences	University of Tennessee	Integration of improved forage and grain cowpea varieties into organic forage and grain cropping systems in the Mid-South	\$200,000
Smith, Samuel	Plant & Soil Sciences	University of Tennessee	Improving Soil Health Using an Integrated Crop-Livestock System	\$85,623
Van Sanford, David	Plant & Soil Sciences	Kentucky Corn Growers Association	Development of an AgWeather Website for Kentucky Corn Growers	\$13,000
Perry, Sharyn	RCTF-1-Plant Sciences-Agronomy	United Soybean Board	Gene networks regulated by GmAGAMOUS-Like15, a transcription factor controlling seed development.	\$236,198
Harwood, James	Entomology	KY Department of Agriculture	Evaluating the effect of natural enemy evenness in organic cucurbit pest suppression	\$49,953
Obrycki, John	Entomology	Oklahoma State University	A Comprehensive System for Prevention, Early Detection, Rapid Diagnosis, Containment and Recovery of Wheat Pests and Diseases	\$637,355
Barton, Christopher	Forestry	KY Energy and Environment Cabinet	Monitoring Hydrologic Response to Thinning in a Headwater Wetland at the Frances Palk State Nature Preserve	\$3,000
Cox, John	Forestry	KY Department of Fish and Wildlife	Survival, Cause-specific Mortality, and Natality of White-tailed Deer in Southeast Kentucky	\$140,200
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
Lacki, Michael	Forestry	National Park Foundation	Response of bat populations at Mammoth Cave National Park to white-nose syndrome	\$21,660
Lacki, Michael	Forestry	National Park Service	Behavior, roost selection, and use of daytime torpor as survival strategies in northern long-eared bats during spring emergence from hibernation	\$142,000
Price, Steven	Forestry	Forest Service	Sustaining crop tree productivity and a diversity of species and functional traits as an ecosystem service with management strategies based on natural disturbance and ecological theory	\$195,437
Stainback, George	Forestry	Virginia Polytechnic Institute and State University	Integrating Natural Capital into System of National Accounts: A Case Study of Forestry and Wetland Landscapes in Rwanda	\$25,000
DeBolt, Seth	Horticulture	Kentucky Vineyard Society	Viticulture & Enology Extension and Research Program	\$587,835
Geneve, Robert	Horticulture	KY Department of Agriculture	Developing irrigation set points to take advantage of emerging wireless technology for automated irrigation in high tunnels	\$49,978

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Ingram, Dewayne	Horticulture	Clemson University	Clean water ³ - Reduce, Remediate, Recycle: Informed Decision-Making to Facilitate Use of Alternative Water Resources and Promote Sustainable Specialty Crop Production	\$373,393
Ingram, Dewayne	Horticulture	Horticultural Research Institute	Greenhouse gas emissions (carbon footprint) and associated costs of container production of nursery crops	\$15,000
Wheeler, Jeffrey	Horticulture	KY Department of Agriculture	Hard Cider & Sparkling Wine Production in Kentucky	\$50,000
Wright, Shawn	Horticulture	KY Department of Agriculture	Ginseng 2014 & 2015	\$20,000
Vincelli, Paul	Plant Pathology	University of Florida	Southern Plant Diagnostic Network, Kentucky Component	\$69,000
Jones, Kenneth	Community & Leadership Devel	Office of Juvenile Justice & Delinquency Preventio	Reading, Writing, and Rewards: A Group Mentoring Model for Academic Success	\$300,000
Ball, Ball	Veterinary Science	Bureau of Land Management	Tubo-ovarian ligation via colpotomy as a method for sterilization in mares.	\$401,468
Hancock, John	Agr Programs	National Institute of Food and Agriculture	Kentucky AgrAbility	\$720,000
Higdon, Andrea	Agr Programs	Iowa State University	Implementation of the Secure Pork Supply Business Continuity Plan to Improve Prevention, Early Detection, Rapid Diagnosis, Containment, Mitigation and Recovery from Four Foreign Animal	\$263,150
Higdon, Andrea	Agr Programs	National Institute of Food and Agriculture	Using Sustainable Agriculture to Address Food Security Before, During, and After a Disaster	\$93,002
Stephenson, Tammy	Dietetics and Human Nutrition	KY Department of Agriculture	Plate It Up! Kentucky Proud Recipe Development and Evaluation for Consumers and Producers Using Healthy Specialty Cooking Techniques with an Emphasis on Grilling	\$50,000
Werner-Wilson, Ronald	Family Studies	Horses and Humans Research Fdtn	Influence of Equine-Assisted Activities on Military Veterans Experiencing Post Traumatic Stress Disorder and/or Traumatic Brain Injury	\$50,000
Jack, Anne	Kentucky Tobacco Research & Dev Ctr	Council for Burley Tobacco	Cytokinin application to reduce TSNA's in burley tobacco	\$10,000