

**Agriculture  
July 2014  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Hanley, Carol	Center for the Environment	Lexington Fayette Urban County Government	Agricultural Sciences North Plaza Stormwater Project	\$349,038
Naugle, Lottie	Small Business Development Center SBDC	Small Business Administration	Kentucky Small Business Development Center	\$0
Agouridis, Carmen	Biosystems & Ag Eng	Virginia Polytechnic Institute and State University	A Model for 21st Century Water: Ensuring Security of an Increasingly Scarce	\$512,120
Sama, Mihael	Biosystems & Ag Eng	University of Wisconsin	Identification of Alfalfa Abiotic Stress via Remote Sensing Techniques	\$41,167
Barrett, Michael	Plant & Soil Sciences	KY Transportation Cabinet	Sustainable Management of Vegetation on Kentucky Highway Rights-of-Way	\$262,052
Bruening, William	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Performance of Small Grain Varieties in Kentucky	\$9,000
Goff, Ben	Plant & Soil Sciences	Oregon State University	Improving Airaira Cultivar Selection by GIS Mapping of Fall Dormancy and Winter Survival Index Zones and Modeling Seasonal and Annual Yield	\$20,000
Grove, John	Plant & Soil Sciences	Kentucky Small Grain Growers Association	PEP-NBT: Product Evaluation Protocol and the Next Big Thing in Wheat Production	\$12,500
Grove, John	Plant & Soil Sciences	Kentucky Corn Promotion Council	PEP-NBT: Product Evaluation Protocol and the Next Big Thing in Corn Production	\$30,000
Knott, Carrie	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Effect of plant growth regulator, Palisade 2EC, and different nitrogen rates on wheat growth and yield	\$9,776
Moe, Luke	Plant & Soil Sciences	National Science Foundation	CAREER: Understanding mechanisms of D-amino acid metabolism and regulation among soil-dwelling bacteria	\$879,769
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Fragipan Remediation	\$35,000
Unrine, Jason	Plant & Soil Sciences	National Science Foundation	CAREER: Environmental Fate of Gene Silencing Nanopesticides	\$500,000
Van Sanford, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development for Kentucky	\$39,000

**Agriculture  
July 2014  
Proposal Submissions**

Bewley, Jeffrey	Animal and Food Sciences	Elanco Animal Health	Elanco Dairy Decision Support	\$179,090
Collins, Joseph	Entomology	KY Division of Forestry	Regional Firewood Outreach and Education Program	\$75,000
Sharkey, Michael	Entomology	Arizona State University	Insects of a Color Flock Together -- Taxonomy, Phylogenetics and Evolution of Mimicry Complexes in Braconid Wasps and Assassin Bugs	\$274,938
Lacki, Michael	Forestry	National Park Service	Assessing potential impact of white-nose syndrome on bats in the Greater Yellowstone Ecosystem: development of a bat monitoring program for Yellowstone National Park	\$35,250
Stringer, Jeffrey	Forestry	KY Division of Forestry	Kentucky Woodlands Magazine - How to Maintain a Healthy Forest	\$16,000
Kachroo, Aardra	Plant Pathology	National Science Foundation	Examining the importance of dynamic trafficking in systemic acquired resistance	\$984,989
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Science Foundation	The role of host factors in the emergence of intervirial recombinants	\$865,667
Epps, Rebekah	Community & Leadership Devel	KY Education and Workforce Development Cabinet	University of Kentucky Professional Development Perkins Leadership Project 2014-15	\$6,000
Vincent, Stacy	Community & Leadership Devel	KY Education and Workforce Development Cabinet	University of Kentucky Professional Development Perkins Leadership Project 2014-15	\$6,000
Balasuriya, Udeni	Veterinary Science	Morris Animal Foundation	Understanding Why Horses Respond Differently to Infection with Equine Herpes Virus.	\$25,000
Chambers, Thomas	Veterinary Science	Morris Animal Foundation	Antiviral effects of equine interferon-lambda	\$99,522
MacLeod, James	Veterinary Science	Morris Animal Foundation	Developmental progenitor cells of articular cartilage.	\$118,950
Nielsen, Martin	Veterinary Science	Zoetis LLC	Evaluation of the mucosal inflammatory response to larvicidal treatment	\$13,335
Nielsen, Martin	Veterinary Science	Morris Animal Foundation	Prediction mapping of strongyle parasite infectivity # application of Geographical Information Systems (GIS) modeling	\$100,226
Page, Allen	Veterinary Science	Morris Animal Foundation	Genome-wide association study to identify genetic basis for sporadic occurrence of equine proliferative enteropathy	\$10,797

**Agriculture  
July 2014  
Proposal Submissions**

Sass, Christopher	Landscape Architecture	Lexington Fayette Urban County Government	Greek Quad Feasibility Study	\$14,400
Gaskill, Cynthia	Veterinary Diagnostic Laboratory	Food and Drug Administration	FDA Vet-LRN veterinary diagnostic laboratory cooperative agreement program funding	\$16,500
Gaskill, Cynthia	Veterinary Diagnostic Laboratory	Food and Drug Administration	Validation of LC-MS/MS analysis of animal tissue and feed matrices for toxicants	\$101,266
Vail, Ann	Family & Consumer Sciences	Center for Disease Control and Prevention	Collaborative Environment Approaches to Reduce Obesity Disparities in Kentucky	\$1,808,833
Denev, Ivelin	e-Extension	University of Illinois	Military Families Learning Network - DoD/Extension Military Partnership	\$5,129