

**Agriculture  
August 2013  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Tyler, Quentin	AES Funds Directors Office	National Institute of Food and Agriculture	EngAGe in Agriculture: ImAGine Careers in Agricultural Management and Marketing	\$200,000
Hanley, Carol	Center for the Environment	Oracle Corporation	Bringing Science to Life in India through Alice Software	\$278,131
Naugle, Lottie	Small Business Development Center SBDC	Commerce Lexington Inc	KY Small Business Development Center Lease	\$72,500
Naugle, Lottie	Small Business Development Center SBDC	Small Business Administration	Kentucky Small Business Development Center	\$0
Stombaugh, Timothy	Biosystems & Ag Eng	Case New Holland America LLC	Phase 2: Control and Monitoring of Sprayer Output	\$0
Stombaugh, Timothy	Biosystems & Ag Eng	Case New Holland America LLC	Control and Monitoring of Sprayer Output	\$0
Barrett, Michael	Plant & Soil Sciences	KY Transportation Cabinet	Sustainable Management of Vegetation on Kentucky Highway Rights-of-Way	\$262,052
Hildebrand, David	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Renewable Lubricants from Plant Oils	\$101,861
Hildebrand, David	Plant & Soil Sciences	Ashland Inc	Renewable Lubricants from Plant Oils # Ashland/UKY	\$60,000
Hunt, Arthur	Plant & Soil Sciences	National Science Foundation	Collaborative Research - CPSF30 at the convergence of cellular signaling and RNA Processing	\$303,270
Karathanasis, Anastasios	Plant & Soil Sciences	Natural Resources Conservation Service	Morphological, Physico-Chemical, and Mineralogical Characterization of Kentucky Soils	\$10,000
Karathanasis, Anastasios	Plant & Soil Sciences	Natural Resources Conservation Service	Soil Atlas of Kentucky	\$20,000
Lee, Brad	Plant & Soil Sciences	Natural Resources Conservation Service	Soil-water dynamics in six loess veneered watersheds: Shawnee Hills	\$90,000
Lee, Char	Plant & Soil Sciences	KY Small Grain Growers Association	Genotype x Environment x Management Interactions in Wheat: Year 2	\$6,800

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Martin, James	Plant & Soil Sciences	KY Small Grain Growers Association	Strategies to Confirm and Manage ALS-Resistant Common Chickweed in Wheat in Kentucky (2013-2014)	\$8,420
Martin, James	Plant & Soil Sciences	Monsanto Co	Warrant PRE in Soybeans	\$13,440
McCulley, Rebecca	Plant & Soil Sciences	Joint Programming Initiative on Agriculture, Food Security and Climate Change	Manipulating Grass - Fungal Endophyte Symbioses to Reduce Greenhouse Gas Emissions and Increase Soil Carbon Sequestration in Grassland of Finland, Spain, and the United States	\$99,986
McCulley, Rebecca	Plant & Soil Sciences	National Science Foundation	Evaluating Mechanisms Through Which Grass-Fungal Symbioses Influence Ecosystem Response to Climate Change	\$778,685
Miller, Robert	Plant & Soil Sciences	Council for Burley Tobacco	The Effects of Plant Population on Agronomic Characteristics of Burley Tobacco	\$40,000
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Small Grain Fragipan Remediation	\$35,000
Phillips, Timothy	Plant & Soil Sciences	Kentucky Specialty Grains LLC	Development of Chia in Kentucky	\$4,620
Slack, Charles	Plant & Soil Sciences	Monsanto Co	Warrant post soybean	\$5,760
Van Sanford, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development for Kentucky	\$36,000
Wendroth, Ole	Plant & Soil Sciences	KY Small Grain Growers Association	Irrigating the Soil to Maximize the Crop # An Approach to Efficient and Environmentally Sustainable Irrigation Water Management in Kentucky	\$154,525
Amaral-Phillips, Donna	Animal and Food Sciences	University of Tennessee	Integrated behavior monitoring system for early disease detection and intervention in pre-weaned livestock species	\$269,226
Urschel, Kristine	Animal and Food Sciences	Alltech Biotechnology Inc	Analysis of plasma samples for changes in glucose and amino acid concentrations in response to algae supplementation	\$1,400
Xiong, Youling	Animal and Food Sciences	Alltech Biotechnology Inc	Impact of algae supplemented diets combined with antioxidants on the nutrition profile, quality attributes, and storage stability of chicken broiler meat	\$127,957
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Biological Control of the Hemlock Woolly Adelgid	\$15,000
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Cooperative Agricultural Pest Surveys	\$101,460

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Palli, Subba	Entomology	National Institute of Health	Sex Determination Mechanisms in Aedes Aegypti	\$385,000
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
Price, Steven	Forestry	National Science Foundation	REU Site: Integrated Studies of Disturbance in an Appalachian Forest Ecosystem, the University of Kentucky's Robinson Forest	\$350,721
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	Kentucky Woodlands Magazine - Not All Green is Good	\$32,000
Kachroo, Pradeep	Plant Pathology	National Science Foundation	Determining the relationship between various inducers of systemic immunity	\$880,764
Ward, Nicole	Plant Pathology	KY Division of Forestry	Solving Urban Tree Mysterries by Training Better Detectives	\$12,604
Epps, Rebekah	Community & Leadership Devel	KY Education and Workforce Development Cabinet	Perkins Leadership Project	\$6,000
Vincent, Stacy	Community & Leadership Devel	KY Education and Workforce Development Cabinet	Perkins Leadership Project	\$6,000
Adams, Amanda	Veterinary Science	Morris Animal Foundation	Evaluating seasonal influences on hormone responses to a diagnostic test advocated for early diagnosis of equine Cushing's disease.	\$95,167
Adams, Amanda	Veterinary Science	Morris Animal Foundation	Do geriatric horses require more frequent vaccinations compared to younger horses?	\$95,269
Howe, Daniel	Veterinary Science	Morris Animal Foundation	CHARACTERIZATION OF EQUINE TOLL-LIKE RECEPTORS (TLR11 AND TLR12) AND THEIR ROLE IN IMMUNE RESPONSE TO SARCOCYSTIS NEURONA PROFILIN	\$70,479
MacLeod, James	Veterinary Science	Morris Animal Foundation	Unique patterns of gene expression in articular chondrocytes: important insight for joint surface lesion repair and cell-based therapies	\$100,000
Nielsen, Martin	Veterinary Science	Morris Animal Foundation	Diagnosing the emergence of ivermectin resistance in equine cyathostomin parasites	\$88,554
Gaskill, Cynthia	Veterinary Diagnostic Laboratory	Food and Drug Administration	FDA Vet-LRN Veterinary Diagnostic Laboratory Cooperative Agreement Program funding to increase sample analysis in the event of animal food or drug related illness	\$82,500
Gaskill, Cynthia	Veterinary Diagnostic Laboratory	Food and Drug Administration	Validation of LC-MS/MS analyses of animal tissue and feed matrices for toxicants	\$484,000

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Fox, Donna	4-H Central Operations	KY Army National Guard	National Guard Youth Camp	\$61,625
Kurzynske, Janet	Dietetics and Human Nutrition	University of Arizona	KY CYFAR PD&TA Program	\$1,300,000
Vail, Ann	School of Human Envir Sciences - Admin	Foundation for a Healthy KY	Different Faces of Substance Abuse Conference	\$600
Vail, Ann	School of Human Envir Sciences - Admin	KY Cabinet for Health and Family Services	UK Supplemental Nutrition Assistance Program Education (SNAP Ed)	\$4,159,259