

**Agriculture  
2013  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Adams, Amanda	Veterinary Science	Morris Animal Foundation	Do geriatric horses require more frequent vaccinations compared to younger horses?	\$49,380
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.	\$46,251
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	\$18,899
Barrett, Micahel	Plant & Soil Sciences	KY Transportation Cabinet	Sustainable Management of Vegetation on Kentucky Highway Rights-of-Way	\$131,240
Epps, Rebekah	Community & Leadership Devel	KY Education and Workforce Development Cabinet	Perkins Leadership Project	\$6,000
Fox, Donna	4-H Central Operations	KY National Guard	KY National Guard Annual Youth Camp for Military Dependents	\$61,625
Gaskill, Cynthia	Veterinary Diagnostic Laboratory	Food and Drug Administration	Validation of LC-MS/MS analyses of animal tissue and feed matrices for toxicants	\$98,600
Hildebrand, David	Plant & Soil Sciences	Ashland Inc	Renewable Lubricants from Plant Oils # Ashland/UKY	\$30,000
Hildebrand, David	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Renewable Lubricants from Plant Oils	\$101,861
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	\$34,803
Hunt, Arthur	Plant & Soil Sciences	National Science Foundation	Collaborative Research - CPSF30 at the convergence of cellular signaling and RNA Processing	\$99,778
Kachroo, Pradeep	Plant Pathology	National Science Foundation	Determining the relationship between various inducers of systemic immunity	\$279,962
Kurzynske, Janet	Dietetics and Human Nutrition	University of Arizona	KY CYFAR PD&TA Program	\$325,000
Lee, Brad	Plant & Soil Sciences	Natural Resources Conservation Service	Soil-water dynamics in six loess veneered watersheds: Shawnee Hills	\$47,689

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Lee, Chad	Plant & Soil Sciences	KY Small Grain Growers Association	Genotype x Environment x Management Interactions in Wheat: Year 2	\$6,800
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Biological Control of the Hemlock Woolly Adelgid	\$15,000
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	\$50,000
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
McCulley, Rebecca	Plant & Soil Sciences	National Science Foundation	Evaluating Mechanisms Through Which Grass-Fungal Symbioses Influence Ecosystem Response to Climate Change	\$190,665
Miller, Robert	Plant & Soil Sciences	Council for Burley Tobacco	The Effects of Plant Population on Agronomic Characteristics of Burley Tobacco	\$20,000
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Small Grain Fragipan Remediation	\$35,000
Naugle, Lottie	Small Business Development Center SBDC	Small Business Administration	Kentucky Small Business Development Center	\$1,341,479
Naugle, Lottie	Small Business Development Center SBDC	Commerce Lexington Inc	KY Small Business Development Center Lease	\$13,500
Nielsen, Martin	Veterinary Science	Morris Animal Foundation	Diagnosing the emergence of ivermectin resistance in equine cyathostomin parasites	\$44,499
Palli, Subba	Entomology	National Institute of Health	Sex Determination Mechanisms in Aedes Aegypti	\$210,000
Phillips, Timothy	Plant & Soil Sciences	Kentucky Specialty Grains LLC	Development of Chia in Kentucky	\$232
Slack, Charles	Plant & Soil Sciences	Monsanto Co	Warrant post soybean	\$5,760
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	Kentucky Woodlands Magazine	\$32,000
Vail, Ann	School of Human Environmental Sciences - Admin	KY Cabinet for Health and Family Services	UK Supplemental Nutrition Assistance Program Education (SNAP Ed)	\$4,159,259

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Van Sanford, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development for Kentucky	\$36,000
Vincent, Stacy	Community & Leadership Devel	KY Education and Workforce Development Cabinet	Perkins Leadership Project	\$6,000
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	\$6,250
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	\$42,004