

**Agriculture  
July 2012  
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	A novel diagnostic tool and treatment for horses with pituitary pars intermedia dysfunction (PPID).	\$49,358
Ball, Barry	Veterinary Science	Morris Animal Foundation	Towards new diagnostic and prognostic markers for placental disease.	\$48,919
Carter, Craig	Veterinary Diagnostic Laboratory	KY Department of Agriculture	Bovine Spongiform Encephalopathy Testing and Related Services	\$8,640
Collins, Joseph	Entomology	KY Energy and Environment Cabinet	Regional Firewood Outreach and Educational Campaign	\$55,000
Collins, Joseph	Entomology	KY Energy and Environment Cabinet	EAB Public Awareness	\$5,000
DeBolt, Seth	Horticulture	National Science Foundation	Untapping the chemical biosphere for cellulose modification strategies	\$165,813
Dobson, Stephen	Entomology	Intellectual Ventures Management LLC	Trial of IV Formulae using Aedes mosquito species	\$131,983
Hains, Bryan	Community & Leadership Devel	KY Education and Workforce Development Cabinet	UK Perkins Teacher Education Award 2012-2013	\$4,500
Higdon, Andrea	Agr Programs	Federal Emergency Management Agency	Strengthening Community All-Hazards Planning: A Cooperative Extension System-Facilitated, Holistic Approach	\$1,264,379
Hildebrand, David	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Engineering Oilseeds for Commercially Viable Epoxy Fatty Acid Production	\$81,158
Horohov, David	Veterinary Science	Morris Animal Foundation	MAF Fellowship Training Grant - use of recombinant proteins to identify antibody responses associated with Equine Proliferative Enteropathy.	\$10,262
Horohov, David	Veterinary Science	Morris Animal Foundation	Use of recombinant proteins to identify antibody responses associated with Equine Proliferative Enteropathy.	\$9,170
Hunt, Arthur	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Improved heat tolerance in crops	\$80,831
Kachroo, Aardra	Plant Pathology	National Science Foundation	Characterizing the roles of photoreceptors in plant immunity	\$223,173
Lee, Chad	Plant & Soil Sciences	KY Small Grain Growers Association	Genotype x Environment x Management Interactions in Wheat	\$6,800
Martin, James	Plant & Soil Sciences	KY Small Grain Growers Association	Evaluating Marestalk Control with Wheat Herbicides	\$3,000

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Martin, James	Plant & Soil Sciences	KY Small Grain Growers Association	Using Wheat as a Tool for Managing Palmer Amaranth	\$5,000
Martin, James	Plant & Soil Sciences	Monsanto Co	Residual Timing for Marestalk Control in Soybean. (Service order no 16)	\$6,950
McCulley, Rebecca	Plant & Soil Sciences	National Science Foundation	Genetic controls on the response of a grass-fungal endophyte symbiosis to climate change	\$488,678
Moe, Luke	Plant & Soil Sciences	National Science Foundation	Functional genomics and metagenomics of D-amino acid metabolism among rhizosphere-dwelling bacteria	\$209,417
Nielsen, Martin	Veterinary Science	Morris Animal Foundation	Diagnosing the emergence of ivermectin resistance in equine cyathostomin parasites	\$51,175
Pescatore, Anthony	Animal and Food Sciences	Alltech Biotechnology Inc	Student Sponsorship Good	\$12,960
Pescatore, Anthony	Animal and Food Sciences	Alltech Biotechnology Inc	Student Sponsorship van Benschoten	\$37,800
Pescatore, Anthony	Animal and Food Sciences	Alltech Biotechnology Inc	Student sponsorship Fisher	\$378
Potter, Daniel	Entomology	US Golf Association	Benefits of golf course naturalized areas for biological control and pollinator conservation	\$20,000
Ritchey, Edwin	Plant & Soil Sciences	KY Small Grain Growers Association	The Use of Organic Soil Amendments for Wheat Production in Kentucky	\$10,000
Ritchey, Edwin	Plant & Soil Sciences	KY Small Grain Growers Association	Grazing Cattle on Wheat Grown for Grain Production	\$5,000
Slack, Charles	Plant & Soil Sciences	Monsanto Co	Monsanto Test - Service Order No. 13	\$8,400
Slack, Charles	Plant & Soil Sciences	Monsanto Co	Warrant Soybean tests 2012 - Service Order No. 15	\$6,000
Stringer, Jeffrey	Forestry	KY Energy and Environment Cabinet	Kentucky Woodlands Magazine - Woodland Health Update & Educational Opportunity Issues	\$32,000
Vail, Ann	Family & Consumer Sciences	KY Cabinet for Health and Family Services	UK Supplemental Nutrition Assistance Program-Education (SNAP-Ed)	\$619,037
Van Sanford, David	Plant & Soil Sciences	KY Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development For Kentucky	\$35,700

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Van Sanford, David	Plant & Soil Sciences	KY Small Grain Growers Association	Development of a Farmer-Friendly AgWeather Website for Kentucky	\$38,916
Wagner, George	Plant & Soil Sciences	British American Tobacco	A Knockdown-Towards-Mutation Approach for Manipulating Organoleptic Compounds Produced by Tobacco Trichomes	\$296,204
Wendroth, Ole	Plant & Soil Sciences	KY Small Grain Growers Association	Managing Within-Field Variability of Winter Wheat # Upscaling from Transect to Field	\$6,500
White, Jennifer	Entomology	National Science Foundation	CAREER: Ecologically relevant variation of bacterial endosymbionts among arthropod populations	\$82,614
Yuan, Ling	Ky Tobacco Research & Dev Center	Clemson University	Do dormancy-associated MADS-box genes function as repressors of spring bud break?	\$81,398
Zhou, Xuguo	Entomology	Foreign Agricultural Service	Biotechnology: A Gateway to Sustainable Agriculture on a Global Scale	\$50,970