

**Agriculture
October 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Artiushin, Sergey	Grayson Jockey Club Research Foundation Inc	Toxins TcdA, B and C. Difficile for Horse Immunization	Veterinary Science	\$45,855
Balasuriya, Udeni	Grayson Jockey Club Research Foundation Inc	Molecular Characterization of Neurovirulent EHV1 Strains	Veterinary Science	\$95,361
Carter, Craig	KY Department of Fish and Wildlife	KY Fish and Wildlife Diagnostic Services 2010	Livestock Diag Disease Center	\$10,000
Carter, Craig	KY Department of Agriculture	Bovine Spongiform Encephalopathy Testing and Related Services	Livestock Diag Disease Center	\$22,800
Chambers, Thomas	Grayson Jockey Club Research Foundation Inc	Innate Immunity to Influenza Virus in the Horse	Veterinary Science	\$120,886
Davis, Alison	National Institute of Health	Are Financial Incentives Necessary in the Fight Against Childhood Obesity?	Agr Economics	\$366,104
DeBolt, Seth	National Institute of Health	Using Translational Genomics From Plants to Identify Biomarkers in an ALS-PDC Model of Neurological Disease	Horticulture	\$298,694
Fehr, Robert	KY Cabinet for Health and Family Services	Radon-Cooperative Extension Radon and Indoor Air Quality Education	Biosystems & Ag Eng	\$126,198
Fulcher, Amy	Agricultural Research Service	Intelligent Spray Systems for Floral and Ornamental Nursery Crops	Horticulture	\$61,017
Hildebrand, David	KY Science and Technology Co Inc	COMMFUND:Commercialization of Chia as a New Kentucky Crop for Health Food & Nutraceutical Products & Omega-3 Oil for Edible and Industrial Products	Plant & Soil Sciences	\$144,222
Hildebrand, David	KY Small Grain Growers Association	Evaluation of Early Flowering Chia (Salvia hispanica) Lines as a New Small Grain Crop for Kentucky	Plant & Soil Sciences	\$5,000
Horohov, David	Grayson Jockey Club Research Foundation Inc	Immunity and Susceptibility to Lawsonia Intracellularis	Veterinary Science	\$0
Houtz, Robert	National Science Foundation	Collaborative Research: Investigation of Post-Translational Methylation in Calmodulin	Horticulture	\$0
Howe, Daniel	Grayson Jockey Club Research Foundation Inc	Equine Arteritis Virus-Based Vaccine for EPM and EVA	Veterinary Science	\$92,685
Katchova, Ani	Rural Development	Local Sourcing as a Differentiation and Recruitment Strategy for Food Consumer Cooperatives	Agr Economics	\$62,654

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MacLeod, James	National Institute of Health	Characterization and Differential Analysis of the mRNA Transcriptome	Veterinary Science	\$0
MacLeod, James	Grayson Jockey Club Research Foundation Inc	Orthopaedic Pathology and Genetic Associations with Cervical Stenotic Myelopathy	Veterinary Science	\$102,193
McNeill, Samuel	Farm and Foreign Agricultural Services	TDY Nigeria:Commodity Storage and Handling Assessment Mission	Biosystems & Ag Eng	\$6,006
Montross, Michael	University of Tennessee	Field Drying Characteristics of Switchgrass and Forage Sorghum and Potential Impacts on Bioenergy Feedstock Supply Chains	Biosystems & Ag Eng	\$245,017
Obrycki, John	KY Energy and Environment Cabinet	Hemlock Woolly Adelgid Sampling Surveys	Entomology	\$10,000
Perry, Robert	American Livestock Breeds Conservancy	Saving Endangered Hog Breeds	Assoc Dean Research/Director AES	\$20,000
Perry, Sharyn	United Soybean Board	Enhancement of Soybean Somatic Embryo Development to Improve Regeneration and Transformation Efficiency (Year 1 of 2)	RCTF-1-Plant Sciences-Agronomy	\$152,279
Pescatore, Anthony	Southern Sustainable Agriculture Research	The Use of Alternative Breeds in Small Flock Poultry Production	Animal and Food Sciences	\$38,150
Seebold, Kenneth	Tobacco Education and Research Council Inc	DNA Sequencing and Genome-Enabled Strategies to Combat the Tobacco Black Shank Pathogen, <i>Phytophthora nicotianae</i>	Ky Tobacco Research & Dev Center	\$0
Stephenson, Laura	KY Department of Agriculture	Kentucky Proud Healthy Habits	Family & Consumer Sciences	\$1,000
Stombaugh, Timothy	Southern Illinois University	Midwest Regional Canola Research Project	Biosystems & Ag Eng	\$19,942
Troedsson, Mats	Grayson Jockey Club Research Foundation Inc	Early Pregnancy Loss: Mechanisms of Luteolysis	Veterinary Science	\$57,374
Werner-Wilson, Ronald	Cooperative State Research Education and Extension	UK Sustainable Community Project	Family Studies	\$642,703
Xiong, Youling	American Egg Board	Utilization of Egg White and Yolk in Combination With Antioxidant Peptides and Edible Films to Boost Protein Quality, Flavor, and Shelf-life of Soy/Oatmeal Protein Bars	Animal and Food Sciences	\$98,520