

**Agriculture  
November 2012  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Montross, Michael	Biosystems & Ag Eng	University of Tennessee	Mechanical properties of pelleted, chipped, and ground biomass	\$149,196
Coyne, Mark	Plant & Soil Sciences	National Academy of Sciences	Evaluating Natural and Constructed Wetlands for Pollution Abatement	\$40,358
Amaral-Phillips, Donna	Animal and Food Sciences	Texas A&M University	Genomic Selection for Improved Fertility of Dairy Cows with Emphasis on Cyclicity and	\$93,730
Bewley, Jeffrey	Animal and Food Sciences	Alltech Biotechnology Inc	Effects of supplementing rations differing in forage level with live yeast culture	\$73,267
Bridges, Phillip	Animal and Food Sciences	National Institute of Health	Regulation of inflammation in the mammalian oviduct	\$389,625
Dodd, Luke	Forestry	KY Academy of Science Foundation	An assessment of bat and nocturnal insect activity in the Bluegrass Region of Kentucky	\$4,936
Ingram, Dewayne	Horticulture	KY Horticulture Council	Kentucky Horticulture Council Grant #6	\$555,000
Ward, Nicole	Plant Pathology	Southern Sustainable Agriculture Research	Elucidating the Spread and Transmissibility of Blueberry Mosaic Virus, a New Disease of Blueberry in the Southeastern U.S.	\$15,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Health	Enhanced viral RNA recombination by a mutant host RNA helicase	\$382,250
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Allergy and Infectious Diseases	Diverse roles of co-opted host RNA helicases in RNA virus replication	\$382,250
Adams, Amanda	Veterinary Science	American Quarter Horse Association	Equine microbiome and innate immunity: Do they play a role in the pathophysiology of Equine Metabolic Syndrome?	\$46,851
Artiushin, Sergey	Veterinary Science	American Quarter Horse Association	Molecular diagnostic assays for the detection and control of contagious equine metritis.	\$37,679
Balasuriya, Udeni	Veterinary Science	Merial Ltd	Development of recombinant vaccines against PRRS: EAV-vectored chimeric vaccines against PRRS.	\$362,109
Ball, Barry	Veterinary Science	American Quarter Horse Association	Developing an equine ELISA assay to evaluate placental health in broodmares.	\$20,000

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Chambers, Thomas	Veterinary Science	American Quarter Horse Association	Suppression of the Equine Type-1 Interferon Response by Equine Herpesvirus-1	\$44,847
Horohov, David	Veterinary Science	American Quarter Horse Association	Evaluation of the efficacy of hyperimmune plasma to prevent clinical rhodococcal pneumonia using a new low dose challenge model.	\$74,062
Lear, Teri	Veterinary Science	American Quarter Horse Association	Identification of a genetic component for severe congenital flexural deformities in foals.	\$26,039
Nielsen, Martin	Veterinary Science	American Quarter Horse Association	Genetic influences on strongyle egg shedding in horses	\$62,457
Troedsson, Mats	Veterinary Science	American Quarter Horse Association	Breedinginduced endometritis.	\$71,354
Ashurst, Kerri	Family & Consumer Sciences	Kansas State University	Kentucky 2013 OMK Camp grant	\$40,000
Mains, Mark	4-H Central Operations	National Four H Council	Engaging Youth, Serving Communities 11	\$25,000
Adams, Ingrid	Nutrition and Food Science	Robert Wood Johnson Foundation	Development of strategies and culturally appropriate models for addressing disparities in obesity prevention for Asian Americans	\$100,000