

**Agriculture
November 2013
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Adams, Amanda	Veterinary Science	American Quarter Horse Foundation	Does 'season' impact inflammation and immune responses to vaccination of young and geriatric horses?	\$63,362
Adams, Amanda	Veterinary Science	Purina Mills Inc	The New Formulation of Purina Equine Senior Feed: To determine the effect of different levels of Nutritek, a Diamond V yeast fermentate additive on immune function in aged horses.	\$48,648
Artiushin, Sergey	Veterinary Science	American Quarter Horse Foundation	Molecular diagnostic assays for the detection and control of contagious equine metritis.	\$37,679
Ashurst, Kerri	Family & Consumer Sciences	Purdue University	2014 Military Teen Adventure Camps	\$489,726
Ashurst, Kerri	Family & Consumer Sciences	Kansas State University	DoD Deployment Support Camp Grant	\$40,000
Barton, Christopher	Forestry	National Fish and Wildlife Foundation	Restoring Native Forests and Wildlife Habitat on Mined Land at Robinson Forest, Kentucky	\$125,000
Chambers, Thomas	Veterinary Science	American Quarter Horse Foundation	Suppression of the Equine Type-1 Interferon Response by Equine Herpesvirus-1	\$44,847
Chambers, Thomas	Veterinary Science	American Quarter Horse Foundation	Function of Type-III interferon in equine viral respiratory infection	\$40,324
Cook, Richard	Veterinary Science	National Institute of Health	Circumventing Immundominant Mammalian T-cell responses.	\$155,954
Coyne, Mark	Plant & Soil Sciences	University of Georgia	The Use of Compost Bedded Pack Dairy Barns as a Nutrient Managment Tool	\$15,000
Davis, Alison	Agr Economics	Rural Development	Kentucky Indiana Community Development Institute	\$137,536
Davis, Alison	Agr Economics	University of Mississippi	Helping Artisans Reach Global Markets Expansion - SRDC eCommerce Extension Initiative	\$14,993
Dodd, Luke	Forestry	Joint Fire Science Program	A long-term evaluation of the interaction of prescribed fire and White-Nose Syndrome on bats and insect prey at Mammoth Cave National Park: the world's largest cave system	\$285,160
Downie, A. Bruce	Horticulture	National Science Foundation	Discovering molecular mechanisms of action for a group of intrinsically disordered, Late Embryogenesis Abundant (LEAs) proteins.	\$759,372
Goff, Ben	Plant & Soil Sciences	Southern Sustainable Agriculture Research	Improving Cool-season Grass Pastures through Interseeding Legume Mixtures with Various Levels of Complexity	\$15,000

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Goff, Ben	Plant & Soil Sciences	Southern Sustainable Agriculture Research	Method of Interseeding and Grazing Frequency Effects on Red Clover Nodulation and Nitrogen Fixation in Pastures	\$15,000
Goff, Ben	Plant & Soil Sciences	Southern Sustainable Agriculture Research	Sustainable Management Practices for the Introduction of Birdsfoot Trefoil into Cool-season Grass Pastures	\$15,000
Goodin, Michael	Plant Pathology	National Institute of Health	Novel recovery of negative-strand RNA virus replicons in insect and plant cells	\$313,002
Goodin, Michael	Plant Pathology	National Science Foundation	Climate change and host range expansion of plant-adapted negative-strand RNA viruses	\$568,456
Lindemann, Merlin	Animal and Food Sciences	National Pork Board	An Integrated Evaluation of the Nutrient Uplift Provided by Xylanase and Phytase in Low Protein Grow-Finish Diets Fortified with Aggressive Use of Amino Acids	\$108,553
Naugle, Lottie	Small Business Development Center SBDC	KY Economic Development Cab	Procurement Assistance	\$20,000
Nielsen, Martin	Veterinary Science	American Quarter Horse Foundation	The role of Parascaris equorum in the immune system	\$44,336
Nielsen, Martin	Veterinary Science	National Science Foundation	Statistical Models and Inferential Methods for Processes with Branching structure	\$62,665
Palli, Subba	Entomology	University of South Florida	Ecdysteroid signaling in Filarial parasites	\$32,305
Perry, Sharyn	RCTF-1-Plant Sciences-Agronomy	National Science Foundation	Mechanisms of gene regulation by the plant MADS-domain transcription factor AGL15	\$726,643
Sama, Michael	Biosystems & Ag Eng	National Aeronautics and Space Administration	Wildlife Conservation UAV Challenge	\$10,000
Squires, Edward	Veterinary Science	Alltech Biotechnology Inc	Effect of feeding DHA on sperm motion characteristics, sperm viability and fatty acid composition of stallion sperm	\$83,272
Stowe, Shristina	Agr Economics	American Quarter Horse Association	An Analysis of The AQHA Incentive Fund	\$34,374
Woodward, Elizabeth	Veterinary Science	University of Melbourne	Alterations of uterine immune response associated with infectious endometritis by next-generation sequencing & in vitro cell culture studies.	\$12,035
Yuan, Ling	Ky Tobacco Research & Dev Center	British American Tobacco	Production of Chemicals in Tobacco Leaves	\$488,100