

**Agriculture  
September 2014  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Abbott, Albert	Forestry	National Institute of Food and Agriculture	Rapid Tree Breed: A Revolutionary Tree Breeding Concept	\$99,734
Adams, Amanda	Veterinary Science	National Institute of Health	Influenza and the elderly: identifying immune correlates of protection for targeted vaccine development	\$1,686,748
Ashurst, Kerri	Family & Consumer Sciences	Army	KY Operation Military Kids 2014	\$127,500
Ball, Barry	Veterinary Science	Grayson Jockey Club Research Foundation Inc	Use of Placental MicroRNAs as Biomarkers for Placentitis	\$94,194
Bewley, Jeffrey	Animal and Food Sciences	University of Tennessee	Respiratory Disease in Dairy Calves	\$36,099
Bewley, Jeffrey	Animal and Food Sciences	GEA Farm Technologies Incorporated	Evaluation of peroxide teat dip	\$1,133
Bewley, Jeffrey	Animal and Food Sciences	GEA Farm Technologies Incorporated	Evaluation of a novel footbath delivery system	\$13,008
Bewley, Jeffrey	Animal and Food Sciences	Signal Solutions LLC	SBIR: Low-cost monitoring of dairy cattle sleep and health-related behaviors for enhanced productivity and animal well-being	\$32,849
Chambers, Thomas	Veterinary Science	Grayson Jockey Club Research Foundation Inc	Inhibition of Type-1 Interferon Response by EHV-1	\$133,931
Cox, John	Forestry	Rocky Mountain Elk Foundation	Cow and Calf Elk Survival and Cause-Specific Mortality	\$29,200
Cox, Nancy	Assoc Dean Research/Director AES	Agricultural Research Service	2014-15 Acquisition of Goods & Services for the USDA Offices in Ag North--Lab & Field Work	\$6,216
Davis, Alison	Agr Economics	Rural Development	Rural Development Technical Notes	\$38,000
Hanley, Carol	Center for the Environment	KY Council on Postsecondary Education	STEM PRIDE: Partnering with Research & Industry to Develop STEM Educators for College and Career Readiness	\$149,958
Haramoto, Erin	Plant & Soil Sciences	Concurrent Solutions LLC	SBIR: Leaf-Specific Herbicide Application in the Presence of Crops	\$25,000

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Harmon, David	Animal and Food Sciences	Alltech Biotechnology Inc	Fatty acid profile in ruminal content and blood plasma of finishing beef cattle, supplemented with different levels of marine algae.	\$41,011
Harwood, James	Entomology	Binational Agricultural Research & Development Fun	Arthropod food webs and intra-guild interactions under conservation biocontrol interventions	\$168,500
Hildebrand, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Improved Chia Production & Product Usage	\$21,318
Hildebrand, David	Plant & Soil Sciences	Consortium for Plant Biotechnology Research Inc	Renewable Lubricant Production in Plants	\$467,620
Horohov, David	Veterinary Science	National Institute of Health	Further characterization of the mechanism responsible for resistance to Rhodococcus equi	\$2,749,838
Horohov, David	Veterinary Science	Grayson Jockey Club Research Foundation Inc	Characterization of BAL Fluid of Neonatal Foals	\$89,359
Kahl, Daniel	Community & Leadership Devel	Kansas State University	Communities Preventing Childhood Obesity Coaching	\$29,293
Lawrence, Laurie	Animal and Food Sciences	Alltech Biotechnology Inc	Analysis of insulin concentrations	\$4,900
Miller, Robert	Plant & Soil Sciences	Altria Corporate Services Inc	Evaluation and Control of Ground Sucker Formation in Burley Tobacco Varieties	\$49,306
Naugle, Lottie	Small Business Development Center SBDC	KY Economic Development Cab	Procurement and Technichal Assistance Center	\$100,000
Nielsen, Martin	Veterinary Science	University of Massachusetts	Crystal protein and engineered probiotics to cure intestinal nematodes	\$475,243
Nielsen, Martin	Veterinary Science	MEP Equine Solutions LLC	SBIR: Development of a Simple and Rapid On-site Veterinary Fecal Egg Count Test	\$25,054
Nielsen, Martin	Veterinary Science	Grayson Jockey Club Research Foundation Inc	Predicting Strongyle Transmission Seasons by Geographical Information Systems (GIS) Modeling	\$102,673
Palli, Subba	Entomology	Agricultural Research Service	Development of Novel Insecticide Synergistic for Resistance Management	\$130,000
Pescatore, Anthony	Animal and Food Sciences	Alltech Biotechnology Inc	Student Sponsorship Fisher	\$37,800

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Schardl, Christopher	Plant Pathology	Agromycos LLC	SBIR: A novel approach to livestock-friendly endophytes for tall fescue cultivars	\$24,000
Stephenson, Tammy	Dietetics and Human Nutrition	National Institute of Food and Agriculture	Higher Education Multicultural Scholars Program (MSP)	\$200,000
Stringer, Jeffrey	Forestry	KY Division of Forestry	Forest Stewardship Publicity and Training	\$10,000
Thomas, William	Forestry	KY Division of Forestry	Invasive Plant Cost-Share Project	\$156,225
Thomas, William	Forestry	KY Division of Forestry	Triplett Creek Stewardship Project	\$60,000
Tyler, Quentin	AES Funds Directors Office	National Institute of Food and Agriculture	DIAL - Developing Intercultural Agricultural Leaders	\$200,000
Unrine, Jason	Plant & Soil Sciences	Binational Agricultural Research & Development Fun	DOM-affected behavior of manufactured nanoparticles in soil-plant system	\$9,960
Velineni, Sridhar	Veterinary Science	Boehringer Ingelheim	Potency and efficacy of a trivalent Streptococcus zooepidemicus vaccine (SzVAC) in pony foals	\$15,000
Zhou, Xuguo	Entomology	National Science Foundation	DDIG: Neuroendocrine and molecular mechanisms mediating the soldier-dependent stress buffering in termites	\$18,200