

**Agriculture
January 2013
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Reed, Michael	International Programs	University of Maryland Eastern Shore	Subcontract for the Ghana Agriculture Technology Transfer Project	\$0
Montross, Michael	Biosystems & Ag Eng	National Institute of Food and Agriculture	Feasibility of Alkaline Hydrogen Peroxide Treated Switchgrass as a Feedstock in Cattle Diets	\$500,000
Hildebrand, David	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Enhanced Methods for Soybean Improvement	\$58,148
Hildebrand, David	Plant & Soil Sciences	KY Science and Technology Co Inc	Economic Palmitoleic Resource Development for Human Health and Renewable Chemicals	\$29,407
Hunt, Arthur	Plant & Soil Sciences	National Science Foundation	Collaborative Research: Functional Dissection of a Protein that Regulates Poly(A) Site Choice	\$339,815
Phillips, Timothy	Plant & Soil Sciences	KY Science and Technology Co Inc	Development of Salvia hispanica as a Viable New Crop for Kentucky	\$25,000
Ritchey, Edwin	Plant & Soil Sciences	Kentucky Soybean Promotion Board	An integrated approach to understanding the dynamics of poultry litter use in corn-soybean production systems	\$35,000
Smalle, Jan	Plant & Soil Sciences	National Science Foundation	Plant salt stress signaling and the cytoskeleton	\$531,324
Van Sanford, David	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Development of a Farmer-Friendly AgWeather Website for Kentucky	\$12,972
Williams, David	Plant & Soil Sciences	KY Science and Technology Co Inc	Investigations of Urban Carbon Footprints	\$30,000
Perry, Sharyn	RCTF-1-Plant Sciences-Agronomy	National Science Foundation	Mechanisms of Gene Regulation by the Plant MADS-Domain Transcription Factor AGL15	\$728,251
Amaral-Phillips, Donna	Animal and Food Sciences	Washington State University	Improving Fertility of Dairy Cattle Using Translational Genomics	\$142,857
Boatright, William	Animal and Food Sciences	National Institute of Food and Agriculture	Hydrogen Peroxide Generating Mechanisms in Hydrated Drink Mixes	\$484,483
Boatright, William	Animal and Food Sciences	Kentucky Soybean Promotion Board	Characterization of Free-Radical Reactions in Isolated Soy Proteins	\$95,790

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Bridges, Phillip	Animal and Food Sciences	National Institute of Food and Agriculture	Steroidal regulation of oviductal function	\$499,875
Matthews, James	Animal and Food Sciences	National Institute of Food and Agriculture	Regulation of EAAC1 Controllers to Enable Efficient Nutrient Metabolism	\$373,544
Silvia, William	Animal and Food Sciences	National Institute of Food and Agriculture	Using Heterospecific Embryo Transfer (HET) to study conceptus:uterine interactions in Large Bovids	\$287,116
Harwood, James	Entomology	KY Science and Technology Co Inc	Determining biological control solutions for challenging pests or cucurbit production systems: the timing of farm management practices	\$30,000
Harwood, James	Entomology	Kentucky Soybean Promotion Board	Impact of border vegetation on soybean pest management	\$8,295
Haynes, Kenneth	Entomology	KY Science and Technology Co Inc	Talk to the dead: Chemical communications in corpse management in termites	\$30,000
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Emerald Ash Borer Survey in Kentucky	\$94,320
Palli, Subba	Entomology	National Institute of Allergy and Infectious Diseases	Mechanisms of sex determination in Aedes aegypti	\$385,000
Palli, Subba	Entomology	KY Science and Technology Co Inc	Methods to fight bed bug resistance	\$30,000
White, Jennifer	Entomology	KY Science and Technology Co Inc	Understanding the Mechanisms for Aphid-derived Toxicity Toward Ladybeetles	\$29,976
Lhotka, Laura	Forestry	University of Tennessee	A Comprehensive Recruitment and Retention Assesment System for Forest Resource Programs	\$122,644
Farman, Mark	Plant Pathology	KY Science and Technology Co Inc	Exploring a possible new mechanism for pathogenic variation in fungi	\$30,000
Goodin, Michael	Plant Pathology	National Institute of Food and Agriculture	Creating a Better STEAgM Student	\$29,992
Hershman, Donald	Plant Pathology	Kentucky Soybean Promotion Board	Evaluation of Soybean Vein Necrosis-Associated Virus Infected Soybean for Seed Transmission	\$18,500
Hershman, Donald	Plant Pathology	Kentucky Soybean Promotion Board	2013 Kentucky Soybean Rust Monitoring Network and Early Warning System	\$12,000

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Kachroo, Aardra	Plant Pathology	Kentucky Soybean Promotion Board	Broadening host specificity in soybean-rhizobium symbiosis	\$42,810
Kachroo, Pradeep	Plant Pathology	KY Science and Technology Co Inc	Understanding the interrelationships between the various chemical inducers of plant systemic immunity	\$29,970
Seebold, Kenneth	Plant Pathology	KY Science and Technology Co Inc	Identifying factors that regulate broad-spectrum resistance to Phytophthora	\$29,970
Vaillancourt, Lisa	Plant Pathology	KY Science and Technology Co Inc	Sustainable sweet sorghum production for biofuel in Kentucky	\$30,000
Nah, Seungahn	Community & Leadership Devel	National Science Foundation	Community-Based Participatory Campaign to Promote Environmental Stewardship	\$249,593
Adams, Amanda	Veterinary Science	KY Science and Technology Co Inc	A Novel Treatment for Horses with Pituitary Pars Intermedia Dysfunction (PPID)	\$30,000
Adams, Amanda	Veterinary Science	National Institute of Food and Agriculture	Effect of weaning stress on epigenetic regulation of immune function	\$172,938
Balasuriya, Udeni	Veterinary Science	Texas A&M Research Foundation	Genetic Variation Of The Equine Mhc-I Associated With Susceptibility To Equine Herpesvirus Myeloencephalopathy?	\$31,099
Chambers, Thomas	Veterinary Science	National Institute of Food and Agriculture	Inhibition of Type-1 Interferon response by equine herpesvirus-1	\$499,304
Horohov, David	Veterinary Science	KY Science and Technology Co Inc	A Novel Method for Identifying Racehorses at Risk for Injury	\$29,986
Horohov, David	Veterinary Science	National Institute of Food and Agriculture	Further characterization of the mechanism(s) responsible for susceptibility to	\$498,961
Ashurst, Kerri	Family & Consumer Sciences	Army	KY OMK 2013	\$42,500
Higdon, Andrea	Agr Programs	Purdue University	EDEN Strengthening Community Agrosecurity Preparedness (S-CAP) Workshop Update	\$0