

**Agriculture
February 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Ashurst, Kerri	Kansas State University	Operation Military Kids: Camp Initiative/Joint Family Support Assistance Program Supplement	Family & Consumer Sciences	\$85,000
Burris, Walter	KY Soybean Promotion Board	Feeding an Ensiled Mix of Biofuel Co-Products to Beef Calves	Animal and Food Sciences	\$8,060
Chambers, Thomas	Intervet Inc	Does Vaccination of Very Young Foals with Flu Avert in the Presence of Maternal Antibodies Protect them from Infection?	Veterinary Science	\$42,242
Coolong, Timothy	Oregon State University	eOrganic: The National Online Information Training and Networking System for Organic Agriculture	Horticulture	\$107,920
Dillon, Carl	Environmental Protection Agency	Reducing the Environmental Footprint of Kentucky Agriculture with Precise On-Farm Chemical Application	Agr Economics	\$0
Downie, Bruce	National Science Foundation	Arabidopsis 2010: Collaborative Research Proposal: Regulatory Networks Controlling Seed Maturation, Desiccation, and Germination	Horticulture	\$706,680
Fulcher, Amy	North Carolina State University	Multi-State Crop Profile and Pest Management Strategic Plan for Nursery Crops	Horticulture	\$18,744
Ghabrial, Said	KY Soybean Promotion Board	Use of a Novel Virus-Based Vector in the Search for Resistance to the Soybean Cyst Nematode and Other Important Soybean Pathogens	Plant Pathology	\$30,563
Goodin, Michael	National Science Foundation	PIRE: Project PREVIEW-Preventing Viral Epidemics Worldwide. Pre-proposal	Plant Pathology	\$41,010
Goodin, Michael	National Science Foundation	Arabidopsis 2010: Protein Networks in Plant Nucleocytoplasmic Transport	Plant Pathology	\$0
Grove, John	KY Soybean Promotion Board	Soybean Yield Response to Soil P & K Availability: Optimizing Fertilization Expenses	Plant & Soil Sciences	\$7,500
Grove, John	KY Soybean Promotion Board	Sensing Soybean Canopy Development and Crop Stress: Understanding the Relationship to Grain Yield	Plant & Soil Sciences	\$21,000
Halich, Gregory	University of Minnesota	Transitioning to a Forage-Finished Beef Enterprise in the Upper South	Agr Economics	\$0
Han, Sung	American Heart Association Great Rivers Affiliate	AHA Postdoctoral Fellowship: Engineering Nanoparticles and Endothelial Cell Function	Animal and Food Sciences	\$85,000
Herbek, James	KY Soybean Promotion Board	Optimum Planting Date for Soybean	Plant & Soil Sciences	\$3,000

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Hershman, Donald	KY Soybean Promotion Board	Can Foliar Applied Fungicides Reduce Yield Loss in Soybean Caused by Soybean Cyst Nematode?	Plant Pathology	\$9,061
Hildebrand, David	North Carolina State University	Evaluation of Enhanced Monounsaturated Fatty Acid Soybeans Rust Disease Resistance	Plant & Soil Sciences	\$24,409
Hildebrand, David	Ashland Inc	Increasing Epoxy Fatty Acid Accumulation in Oilseeds	Plant & Soil Sciences	\$10,000
Hildebrand, David	KY Soybean Promotion Board	Increasing Oil and Testing Yield Genes in Soybeans	Plant & Soil Sciences	\$0
Howard, Jennifer	NATA Research & Education Foundation	Performance Based Functional Outcomes 1-Year Following Autologous Chondrocyte Implantation	Area Extension Field Programs	\$0
Hunt, Arthur	National Science Foundation	Collaborative Project: Arabidopsis 2010: Systematic Compilation of mRNA Poly(A) Sites for Studying Alternative Polyadenylation	Plant & Soil Sciences	\$833,840
Kachroo, Aardra	KY Soybean Promotion Board	Developing glycerol as a protective agent against soybean diseases prevalent in Kentucky	Plant Pathology	\$0
Kachroo, Pradeep	National Science Foundation	Molecular, Genetic, and Biochemical Characterization of Oleate-Regulated Defense Gene Expression in Plants	Plant Pathology	\$796,784
Kitchel, Tracy	Cooperative State Research Education and Extension	SoTL Mentoring Partnerships: Improving Learning and Teaching in Scientific Ways	Community & Leadership Devel	\$483,085
Lee, Chad	KY Soybean Promotion Board	SOY MVP: Kentucky Soybean Management Verification Program, Year 2	Plant & Soil Sciences	\$0
Lucas, Patricia	North Carolina State University	State Contact and IPM Documents for Kentucky	Entomology	\$25,000
McNeill, Sam	KY Soybean Promotion Board	Hermetic Storage of Dry Soybeans	Biosystems & Ag Eng	\$0
Meyer, Alphonse	University of Minnesota	Kentucky Annie's Project and Beyond: Risk Management Education for Farm Women	Agr Economics	\$0
Meyer, Alphonse	University of Minnesota	Kentucky Agriculture in Transition: Ensuring Sustainability, Security, and Profitability	Agr Economics	\$0
Newman, Melissa	National Institute for Hometown Security	The Use of Natural Antimicrobials to Mitigate Biological Threat Agents in High Risk Foods	Animal and Food Sciences	\$2,487,137
Payne, Frederick	National Institute for Hometown Security	Optical Detection of Microbial Contamination in Food Matrices	Biosystems & Ag Eng	\$1,800,000

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Reed, Michael	Foreign Agricultural Service	Borlaug International Science Program for Africa	Agr Economics	\$0
Roseman, Mary	Cooperative State Research Education and Extension	Development and Integration of Sustainability Model and Curriculum in Hospitality Undergraduate Education	Nutrition and Food Science	\$0
Schwab, Gregory	KY Soybean Promotion Board	Soybean Fertilization: Is Hidden Hunger Reducing Yield?	Plant & Soil Sciences	\$0
Shearer, Scott	KY Soybean Promotion Board	Quantification and Mitigation of Pesticide Application Errors on Kentucky Soybean Farms	Biosystems & Ag Eng	\$0
Simmons, Leigh Ann	National Institute of Health	Blue to You: Depression Awareness for Rural Women	Family Studies	\$0
Stringer, Jeffrey	KY Energy and Environment Cabinet	Economic Impact of Fire on Forest Product Values in the Appalachian Regions of Kentucky and Tennessee	Forestry	\$294,000
Stringer, Jeffrey	Forest Service	Long-Lived Wood Products: Carbon and Competitive Advantages for Hardwood Mills	Forestry	\$79,566
Tang, Guiliang	National Science Foundation	Role of Plant miRNA Duplex Structure in Gene Silencing	Plant & Soil Sciences	\$0
Tang, Guiliang	KY Science and Technology Co Inc	KSEF R&D Excellence: Using Nicked siRNA for RISC Assembly in Gene Silencing	Plant & Soil Sciences	\$0
Van Doren, Saratha	KY Soybean Promotion Board	Final Development of a Yield Loss Prediction Tool for Soybean Rust	Plant & Soil Sciences	\$0
Van Sanford, David	Agricultural Research Service	Accelerating the Development of FHB-Resistant Soft Red Winter Wheat Varieties	Plant & Soil Sciences	\$0
Van Sanford, David	Agricultural Research Service	U.S. Wheat & Barley Scab Initiative Networking and Facilitation Office and Website	Plant & Soil Sciences	\$0
Walters, Cory	University of Minnesota	Integrating ACRE and Crop Insurance: A Comprehensive Risk Management Strategy	Agr Economics	\$0
Walters, Cory	Texas A&M University	2008 Farm Bill Training	Agr Economics	\$1,000
Williams, Mark	Iowa State University	Sustainable Systems for Cucurbit Crops on Organic Farms	Horticulture	\$290,998