

**Agriculture
June 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Amaral-Phillips, Donna	University of Florida	Improving Fertility during heat stress in lactating dairy cows	Animal and Food Sciences	\$60,000
Amaral-Phillips, Donna	University of Wisconsin	Improving Fertility during heat stress in lactating dairy cows	Animal and Food Sciences	\$17,948
Arthur, Mary	Department of Agriculture	Prescribed Fire Research in the Daniel Boone National Forest	Forestry	\$10,000
Barton, Christopher	KY Nature Preserves Commission	Characterization of Headwater Seeps in the Frances Palk State Nature Preserve	Forestry	\$8,000
Carter, Craig	Cooperative State Research Education and Extension	Regional Animal Health Data Warehousing and Data Mining System	Livestock Diag Disease Center	\$0
Chappell, Joseph	Sapphire Energy Inc	Engineering Novel Triterpene Metabolism in Plants and Evolving New Catalytic Specificities within a Triterpene Synthase	Plant & Soil Sciences	\$301,308
Chappell, Joseph	National Institute of Health	ARRA: Advancing Drug Development in Medicinal Plants using Transcriptomics and Metabolomics	Plant & Soil Sciences	\$0
Coolong, Timothy	Department of Agriculture	A training program in sustainable vegetable production for extension personnel in Kentucky and Tennessee	Horticulture	\$50,442
Cox, John	KY Department of Fish and Wildlife	Dispersal & Population Expansion of the Black Bear in Eastern Kentucky	Forestry	\$205,000
Davis, Alison	Department of Agriculture	Are Financial Incentives Necessary in the Fight Against Childhood Obesity?	Agr Economics	\$0
Davis, Alison	Robert Wood Johnson Foundation	Are Financial Incentives Necessary to Combat Obesity? The Economic Value of Using Kentucky's Natural and Built Environment	Agr Economics	\$99,939
Dillon, Carl	Department of Agriculture	Whole Farm Economic Analysis of Production Practices and Machinery Management Alternatives to Address High Input Prices	Agr Economics	\$0
Fei, Songlin	Department of Agriculture	Spatial and Temporal Dynamics of Invasive Plants and Their Impact on Ecosystem Services in Robinson Forest Following Forest Management	Forestry	\$499,909
Hanley, Carol	National Science Foundation	Kentucky Invasive Species Ambassadors	Tracy Farmer Cntr for the Environment	\$2,894,412
Hargrove, Ryan	NEA Fdtn	Assessing the Long-Term Impact of Creativity Based Education	Landscape Architecture	\$0

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Harwood, James	University of California	Letter of Intent: Weedy and Invasive Species	Entomology	\$0
Haynes, Kenneth	Pennsylvania State University	Pheromone Detection and Processing in the Cabbage Looper, <i>Trichoplusia ni</i>	Entomology	\$0
Higgins, Stephen	KY Energy and Environment Cabinet	Cane Run and Royal Spring Watershed Based Plan Implementation Project	Biosystems & Ag Eng	\$0
Hu, Wuyang	Ohio State University	Letter of Intent: Integrating E-Commerce to Enhance Small and Medium-Sized Farm Profitability: Infrastructure and Practice	Agr Economics	\$0
Hu, Wuyang	Department of Agriculture	Improving Small and Medium-Sized Farm Welfare through Access to Product Development and Market Research Tools	Agr Economics	\$0
Husband, Andrea	New Mexico State University	Reducing and Preventing On-Farm Disease Introduction from Animals that Attend Fairs, Exhibitions, and Livestock Market Projects	Agr Programs	\$0
Hustedde, Ronald	Department of Agriculture	Kentucky Entrepreneurial Coaches Institute: Expanding and Creating New Businesses	Community & Leadership Devel	\$0
Kim, Hyungsoo	National Institute of Health	Retirement Savings and Self-Regulatory Orientation	Family Studies	\$0
Lacki, Michael	KY Department of Fish and Wildlife	Status, Distribution, and Reproductive Characteristics of River Otters in Kentucky	Forestry	\$62,600
Lee, Chad	Department of Agriculture	Grain Farming without Subsidies - Sabbatical to Argentina	Plant & Soil Sciences	\$79,871
Lhotka, John	KY Renewable Energy Consortium	Using short-rotation technologies to enhance woody feedstock production on reclaimed surface mines in eastern Kentucky	Forestry	\$96,237
McNeill, Samuel	Rural Development	Energy Audits for Grain and Poultry Producers in Kentucky	Biosystems & Ag Eng	\$0
Miller, Robert	Burley Tobacco Growers Cooperative Association Inc	Breeding for Reduced Nicotine Content in Burley Tobacco	Plant & Soil Sciences	\$50,000
Montross, Michael	Virginia Polytechnic Institute and State University	Design and Characterization of Rack System for Hauling Biomass	Biosystems & Ag Eng	\$0
Pearce, Robert	Burley Tobacco Growers Cooperative Association Inc	Development of a Method to COconfirm the Country of Origin of Tobacco Samples	Plant & Soil Sciences	\$20,000
Pearce, Robert	Burley Tobacco Growers Cooperative Association Inc	Support for Innovative Tobacco Growers Program	Plant & Soil Sciences	\$5,000

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Pescatore, Anthony	Texas A&M University	An Integrated Approach to Assessing the Implementation and Impact of Air Policy on Poultry Producers	Animal and Food Sciences	\$100,000
Pescatore, Anthony	Department of Agriculture	Profitable and Sustainable Pasture Poultry Production on Small and Medium-Sized Farms	Animal and Food Sciences	\$500,000
Pushkarskaya, Helen	Department of Agriculture	Revisiting the Impact of the Tobacco Buyout on Tobacco Farmers and Rural Economies	Agr Economics	\$0
Rieske-Kinney, Lynne	Department of Agriculture	An Integrative Approach to Evaluate and Enhance Population Suppression of the Hemlock Woolly Adelgid, An Exotic Pest Threatening Eastern Hemlock Forest Sustainability	Entomology	\$0
Seebold, Kenneth	University of Florida	Managing Phytophthora capsici on Pepper and Summer Squash with Combinations of Bioten and Conventional Fungicides	Plant Pathology	\$10,000
Taraba, Joseph	Department of Agriculture	Dairy Producer Management Strategies for Composted Bedded Pack in Loose Housing that Minimize GHG Emissions and Maintain Herd Productivity	Biosystems & Ag Eng	\$0
Vincelli, Paul	University of Florida	Improvement and deployment of rapid standardized PCR diagnostic tools to increase detection capacity for high-impact plant pathogens	Plant Pathology	\$135,772