

**Agriculture
March 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Bessin, Ricardo	Environmental Protection Agency	Reducing Organophosphate Insecticide Use in Kentucky Apple Orchards	Entomology	\$0
DeBolt, Seth	Department of Energy	Defining and Correlating Quality Traits for Bioenergy Agriculture with Sustainable Management Practices in the Southeast	Horticulture	\$0
Ditsch, David	Natural Resources Conservation Service	Kudzu to Forest Reclamation Methods	Plant & Soil Sciences	\$0
Hershman, donald	North Central Soybean Research Program	Sentinel Plots to Monitor the Spread of Soybean Rust in US Soybean Production Regions	Plant Pathology	\$30,000
Hildebrand, David	Department of Energy	Development of Plants as Enhanced Platforms for High Valuable Renewable Feedstock Production	Plant & Soil Sciences	\$0
Horohov, Daid	National Institute of Health	Identification of the Immunological and Physiological Mechanisms Responsible for the Development of Neurologic Disease in Aged Horses after Exposure to Equine Herpesvirus-1	Veterinary Science	\$0
Horohov, Daid	Cooperative State Research Education and Extension	The Effect of Age on Equine Dendritic Cell Interactions with Rhodococcus Equi	Veterinary Science	\$0
Howe, Daniel	Cooperative State Research Education and Extension	Genome Sequence for the Apicomplexan Sarcocystis Neurona	Veterinary Science	\$385,152
Hunt, Arthur	National Science Foundation	SUPPLEMENTAL FUNDING: Collaborative Proposal: CPSF30 at the Convergence of RNA Processing, Cellular Signaling and Development in Plants	Plant & Soil Sciences	\$3,000
Kachroo, Pradeep	National Science Foundation	REU: Glycerol Metabolism and Its Role in Biotrophy Versus Necrotrophy in an Arabidopsis/Fungal Hemibiotroph Model System	Plant Pathology	\$22,050
Lhotka, John	Department of Agriculture	Silvicultural Approaches for Regenerating Upland Stands in the Northern Cumberland Plateau	Forestry	\$14,435
Lhotka, John	Department of Energy	Enhancing Woody Feedstock Production on Reclaimed Surface Mines through Application of Short-Rotation Technologies	Forestry	\$0
Miller, Robert		Breeding for Reduced Nicotine Content in Burley Tobacco	Plant & Soil Sciences	\$0
Nagy, Peter	National Institute of Health	A host protein network drives the assembly of the viral replicase	RCTF-1-Plant Sciences-PlantPath	\$173,750
Palli, Subba	Department of Energy	Regulated Expression of Microbial Enzymes Useful for Converting Cellulosic Biomass to Fermentable Sugars	Entomology	\$0

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Palli, Subba	National Institute of Health	DNA Microarray Scanner 48 and Accessories	Entomology	\$0
Rieske-Kinney, Lynne	Natural Resources Conservation Service	An Innovative Tool to Evaluate and Enhance Biological Control of the Exotic Invasive Hemlock Woolly Adelgid, Adelges Tsugae	Entomology	\$0
Stephenson, Laura	University of Tennessee	Investor Education for College Students	Family & Consumer Sciences	\$45,445
Vincelli, Paul	Department of Agriculture	Evaluation of Natural Spray Materials and Botanical Extracts for Control of Important Foliar and Fruit Diseases of Tomato and Cucurbits	Plant Pathology	\$128,901
Warner, Richard	Natural Resources Conservation Service	Soil Moisture-Based Automatic Pulse Irrigation System for Water Conservation	Biosystems & Ag Eng	\$0
Wilhoit, John		Evaluation of Pallet Rack Systems as an Economical Option for Tobacco Curing Capacity Expansion	Biosystems & Ag Eng	\$0
Woods, Timothy	KY Farmers Market Association Inc	Farmers Market Technology and Food Safety	Agr Economics	\$33,000