

Agriculture
January 2007
Proposal Submissions

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Chappell, Joseph	KY Governors Office	Seed Grant: Development of a Sustainable Production Platform for Renewable Fuels in Tobacco	Plant & Soil Sciences	\$0
Chappell, Joseph	National Science Foundation	Unraveling the Catalytic Specificity of Terpene Hydroxylases and Engineering Sesquiterpene Hydroxylation into Plants	Plant & Soil Sciences	\$560,389
Colliver, Donald	KY Governors Office	Seed Grant: Development of a Facility for the Determination of Energy and Moisture Flows in Residences - Part 1: Crawlspace	Biosystems & Ag Eng	\$0
Cromwell, Gary	Cooperative State Research Education and Extension	CSREES Shared Faculty Member	Animal and Food Sciences	\$25,000
Dowling, Ashley	Cooperative State Research Education and Extension	The invasive Red Palm Mite <i>Raoiella indica</i> (Prostigmata: Tenuipalpidae): using population genetics and molecular tools to assist in bio-control efforts	Entomology	\$0
Gates, Richard	Environmental Protection Agency	Methane recovery in Brazilian dairy chain: pre-feasibility technological study for energy use and environment improvement	Biosystems & Ag Eng	\$299,813
Hanley, Carol	National Science Foundation	Information Technology through Community-Based Natural Resources Program for Students and Teachers	Tracy Farmer Cntr for the Environment	\$0
Hans, Jason	Greenwall Foundation	Posthumous Reproduction: An Experimental Survey Design to Assess Attitudes and Beliefs	Family Studies	\$78,486
Harwood, James	Cooperative State Research Education and Extension	Molecular evaluation of the role of alternative prey in soybean food webs	Entomology	\$387,445
Hennig, Bernhard	Department of Agriculture	Flavonoids and regulation of endothelial cell function	Animal and Food Sciences	\$455,870
Hennig, Bernhard	National Institute of Environmental Health Sciences	Nutrition and Superfund Chemical Toxicity	Animal and Food Sciences	\$2,199,613
Hicks, Clair	Tribo Flow Separations LLC	Microbial and Cell Assay	Animal and Food Sciences	\$5,000
Hildebrand, David	KY Governors Office	Seed Grant: Improving Biodiesel Production Efficiency	Plant & Soil Sciences	\$0

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Jones, Kenneth	National Four H Council	Engaging Youth, Serving Community (EYSC5) Initiative	Community & Leadership Devel	\$0
Kurzynske, Janet	Cooperative State Research Education and Extension	Cooperative Agreement with USDA/CSREES-CYFAR Technical Assistant Liaison	Nutrition and Food Science	\$46,000
McNeill, Samuel	KY Governors Office	Seed Grant: Canola and Sunflower for Oil/Biofuel in Kentucky	Biosystems & Ag Eng	\$57,487
Mercer, David	University of California Berkeley	Impact of climate change of Aedes polynesiensis: consequences for the transmission of filariasis and dengue	Entomology	\$255,890
Montross, Michael	KY Governors Office	Seed Grant: Cultural Practices Influencing Ethanol Production from Sweet Sorghum	Biosystems & Ag Eng	\$98,872
Nah, Seungahn	Knight Foundation	The Kentucky Citizen Media Project (KCMP)	Community & Leadership Devel	\$300,000
Norikane, Joey	American Society of Heating Refrigerating and Air	Evaluatino and Optimization of Controlled Environment Production of Saltwater Shrimp	Biosystems & Ag Eng	\$10,000
Payne, Frederick	Cooperative State Research Education and Extension	Syneresis Sensor Technology Development for Curd Moisture Content Control	Biosystems & Ag Eng	\$213,774
Potter, Daniel	University of Florida	Managing flatheaded appletree borer in nursery grown maples	Entomology	\$5,000
Sloggett, John	Cooperative State Research Education and Extension	Intraguild Predation between Aphidophagous Lady Beetles: Chemical Perspectives on Community Effects	Entomology	\$349,867
Tang, Guiliang	University of California	The role of methylation and uridylation in miRNA biogenesis in Arabidopsis	Plant & Soil Sciences	\$0
Wagner, George	KY Governors Office	Seed Grant: Sugar Esters as Alternative Anti-Bacterials for Use in Grain-Based Fuel Ethanol Production	Plant & Soil Sciences	\$65,370
Workman, Stephen	Cooperative State Research Education and Extension	Water quality indices to identify source, age and load of waste contamination of watersheds	Biosystems & Ag Eng	\$330,336
Yuan, Ling	KY Governors Office	Seed Grant: Production of a complete set of lignocellulolytic enzymes in tobacco, poplar, and switchgrass using a single transformation vector	Plant & Soil Sciences	\$64,267