

Agriculture
June 2007
Proposal Submissions

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Arthur, Mary	Institute of Ecosystems Studies	Long-term Ecological Research at Hubbard Brook Experimental Forest	Forestry	\$34,788
Barnes, Thomas	KY Heritage Land Conservation Fund	Heritage Land Conservation Fund Publication	Forestry	\$10,000
Coyne, Mark	National Academy of Sciences	Maximizing Urea-N Efficiency in the Phytoremediation of Oil and Metal-Contaminated Soil	Plant & Soil Sciences	\$143,698
Cromwell, Gary	National Pork Board	Assessment of Distillers Dried Grains with Solubles (DDGS) from Ethanol Production on Performance and Carcass Quality of Growing-Finishing Swine	Animal and Food Sciences	\$0
Dobson, Stephen	Bill and Melinda Gates Foundation	Supplemental Vector Intervention Required to Eliminate Lymphatic Filariasis in the South Pacific	Entomology	\$4,665,716
Dobson, Stephen	National Institute of Allergy and Infectious Diseases	Eradication of a Primary Filariasis Vector Population at an Endemic Field Site	Entomology	\$0
Downie, A Bruce	Cooperative State Research Education and Extension	Multidisciplinary training in Seed Biology	Horticulture	\$229,500
Farman, Mark	Cooperative State Research Education and Extension	Localization of secreted proteins during penetration and invasive growth of the rice blast fungus <i>Magnaporthe oryzae</i>	Plant Pathology	\$1,000,000
Hammons, Derrick	University of Georgia	Sustainable Management for Japanese Beetles and Green June Beetles Impacting Grape Production in the Southern Region	Entomology	\$0
Hildebrand, David	Cooperative State Research Education and Extension	Oilseeds as a Renewable Source of Epoxy Fatty Acids	Plant & Soil Sciences	\$0
Hildebrand, David	KY Science and Technology Co Inc	Cyclopropane fatty acid accumulation in plant oil	Plant & Soil Sciences	\$0
Horohov, David	National Institute of Health	Aged Horses As A Model For Influenza Vaccination Of The Elderly	Veterinary Science	\$1,700,000
Horstmeier, Robin	KY Department of Education	University of Kentucky as a Landgrant Leader: Improving Teacher Education in the Commonwealth	Community & Leadership Devel	\$0
Houtz, Robert	KY Science and Technology Co Inc	Isolation and Identification of Plant-Specific Peptide Deformylase Inhibitors from Soil Microorganisms for Use as Broad-Spectrum Herbicides and Selectable Markers	Horticulture	\$0

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Hunt, Arthur	KY Science and Technology Co Inc	KSEF R&D Excellence: Uncoupling the timing of flowering from stress in plants	Plant & Soil Sciences	\$0
Kachroo, Aardra	KY Science and Technology Co Inc	KSEF R&D Excellence: Functional Analyses of Soybean Transcripts Using Virus-Induced Gene Silencing	Plant Pathology	\$0
Kurtural, Sahap	University of Georgia	Sustainable Production of Wine Grapes in Small and Moderate Size Farms	Horticulture	\$10,000
Kurtural, Sahap	University of Georgia	Site Selection for Sustainable Viticulture in Kentucky and Tennessee	Horticulture	\$96,193
Lee, Brian	KY Transportation Cabinet	A Land Use Modeling Study in the Lexington-Fayette Area of Central Kentucky	Landscape Architecture	\$100,000
Maehr, David	KY Department of Fish and Wildlife	Dispersal and Population Expansion of the Black Bear in Eastern Kentucky	Forestry	\$163,000
Maehr, David	KY Department of Fish and Wildlife	Calf Survival, Meningeal Worm Impacts Dispersal and Population Expansion in and Eastern Kentucky Elk Herd	Forestry	\$128,000
Mimbs, Cheryl	KY Department of Education	Professional Development for Family and Consumer Sciences Teacher Educators	Family Studies	\$6,800
Montross, Michael	Idaho National Energy and Environment	SOW	Biosystems & Ag Eng	\$0
Nagy, Peter	National Institute of Health	The role of a host E2 ubiquitin-conjugating enzyme in RNA virus replication	RCTF-1-Plant Sciences-PlantPath	\$0
Obrycki, John	KY Natural Resources Environmental Protection Cabinet	Memorandum of Agreement: Hemlock Woolly Adelgid Sampling Surveys	Entomology	\$7,500
Palli, Subba	KY Science and Technology Co Inc	KSEF R&D Excellence: Development of methods to produce transgenic plants that do not express antibiotic resistance	Entomology	\$19,998
Palli, Subba	Cooperative State Research Education and Extension	Functional genomics studies on nuclear receptors: Target sties for insecticide development and resistance management	Entomology	\$566,929
Rieske-Kinney	KY Science and Technology Co Inc	KSEF R&D Excellence: An innovative approach for elucidating trophic relationships of an invasive forest pest	Entomology	\$19,997

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Simmons, Leigh Ann	National Institute Diabetes & Digestive & Kidney	Postpartum Weight Retention among Rural Women in Kentucky	Family Studies	\$526,609
Smith, Samuel	KY Forage & Grasslands Council	Expanding Opportunities for Biomass and Hay Production in Northeastern Kentucky	Plant & Soil Sciences	\$937,274
Strang, John	KY Department of Agriculture	Infrastructure Support for Growth of Kentucky's Grape and Wine Industry	Horticulture	\$290,000
Stringer, Jeffrey	Forest Service	Increasing the Effectiveness of Forest Science Delivery in the South	Forestry	\$60,000
Stringer, Jeffrey	US Geological Survey	State Water Research Institute Program Scope 9	Forestry	\$4,991
Vanzant, Eric	NetQuest LLC	Lifetime Health Monitoring and Tracking of Beef Cattle	Animal and Food Sciences	\$0
Wagner, George	Kraft General Foods	Impacts of Higher-Plant-Derived Anti-Fungalson Kraft Products	Plant & Soil Sciences	\$0
Wendroth, Ole	National Science Foundation	Soil Water and Solute Transport at Different Spatial and Temporal Scales and Across Boundaries of Ecosystem Compartments	Plant & Soil Sciences	\$657,737