

**Agriculture
June 2011
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Ashurst, Kerri	Family & Consumer Sciences	Kansas State University	FY 2012 Operation: Military Kids Grant	\$0
Bastin, Sandra	Nutrition and Food Science	National Institute of Food and Agriculture	Healthy Eating for Rural Older Adults (HERO)	\$265,600
Bastin, Sandra	Nutrition and Food Science	National Institute of Food and Agriculture	Billboard Top Ten: Food Safety Concerns for Older Adults	\$559,984
Carter, Craig	Veterinary Diagnostic Laboratory	KY Department of Agriculture	Bovine Spongiform Encephalopathy Testing and Related Services	\$4,800
Carter, Craig	Veterinary Diagnostic Laboratory	Animal and Plant Health Inspection Service	Classical Swine Fever Surveillance	\$4,400
Carter, Craig	Veterinary Diagnostic Laboratory	Animal and Plant Health Inspection Service	Diagnostic Laboratory Support of NAHLN	\$55,000
Cox, John	Forestry	KY Department of Fish and Wildlife	Black Bear 2012	\$90,000
Cox, John	Forestry	KY Department of Fish and Wildlife	Resource selection, movement patterns, survival and cause-specific mortality of adult bull elk in Kentucky.	\$50,000
Cox, Nancy	Assoc Dean Research/Director AES	KY Horse Racing Commission	Equine Medical Director	\$548,530
Downie, A. Bruce	Horticulture	National Institute of Food and Agriculture	Using microRNA interference (miRNA) to deconvolute cryptochromes (HvCRYs) influences on gene expression controlling ABA titer impacting seed dormancy in Barley (<i>Hordeum vulgare</i>).	\$64,934
Fehr, Robert	Biosystems & Ag Eng	KY Cabinet for Health and Family Services	FY12 CHFS/DPH UK Extension Radon Activities	\$23,515
Ghabrial, Said	Plant Pathology	KY Science and Technology Co Inc	Rapid Screening and Expression of Valuable Proteins in Soybean using a Virus-Based Vector	\$99,917
Harwood, James	Entomology	KY Science and Technology Co Inc	Impact of Predator Bioversity on Pest-Suppression in Kentucky Wheat: A Denaturing Gradient Gel Electrophoresis Approach	\$99,396
Hunt, Arthur	Plant & Soil Sciences	National Institute of Food and Agriculture	Posttranscriptional control of alfalfa root growth and biomass accumulation.	\$493,639
Hunt, Arthut	Plant & Soil Sciences	KY Science and Technology Co Inc	Polyadenylation of Stored mRNA During Seed Germination	\$99,995
Hunter, Jennifer	Family Studies	Council for Economic Education	Building a Healthy Wealthy Future	\$9,774

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Ingram, Dewayne	Horticulture	KY Department of Agriculture	Sustainable Ground Cover Production for More Sustainable Kentucky Landscapes	\$10,780
Johnson, Douglas	Entomology	National Institute of Food and Agriculture	IPM in Kentucky: Integrated Development and Delivery	\$280,935
Kachroo, Aardra	Plant Pathology	National Institute of Food and Agriculture	Characterizing the molecular mechanisms underlying bacterial effector perception as a means to improve microbial resistance in soybean	\$499,548
Kachroo, Pradeep	Plant Pathology	National Institute of Food and Agriculture	Characterizing The Roles Of Photoreceptors In Plant Defense	\$498,109
Kajita, Yukie	Entomology	National Institute of Food and Agriculture	Genetic evaluation of the biological control releases of the predatory lady beetle (<i>Coccinella septempunctata</i>) in the United States	\$496,090
Karathanasis, Anastasios	Plant & Soil Sciences	KY Cabinet for Health and Family Services	Soil Morphology Training for On-Site Sewage Disposal Systems	\$30,000
Lacki, Michael	Forestry	KY Department of Fish and Wildlife	Big-Eared Bat 2012	\$16,500
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Thousand Cankers Disease Survey in Kentucky	\$20,000
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Phytopthera ramorum Survey	\$25,000
McCulley, Rebecca	Plant & Soil Sciences	National Institute of Food and Agriculture	Understanding cool-season pasture biogeochemical responses to climate change and management	\$496,333
Newman, Melissa	Animal and Food Sciences	National Institute of Food and Agriculture	Developing Innovative Food Safety Strategies to Support Small- to Medium-Food Producers/Processors	\$0
Payne, Frederick	Biosystems & Ag Eng	National Institute of Food and Agriculture	Implementing a Traceability Program for Milk Products.	\$599,998
Schardl, Christopher	Plant Pathology	West Virginia University	Alteration of alkaloid profiles of forage and turf grasses by genetic manipulation of endophytic fungi	\$230,769
Smalle, Jan	Plant & Soil Sciences	National Institute of Health	The role of 26S proteasome-dependent proteolysis in stress-induced microtubule disassembly.	\$695,000
Stephenson, Laura	Family & Consumer Sciences	KY Department of Agriculture	Plate It Up Kentucky Proud Recipe Development for Consumers, Parents, and Schools with Nutrition Research Component	\$74,670
Tanaka, Keiko	Community & Leadership Devel	American Sociological Association	Cultivating the Next Generation of Farmers: Beginning Farmers in Kentucky	\$2,700
Wendroth, Ole	Plant & Soil Sciences	National Institute of Food and Agriculture	Zero-tillage makes soils better organic carbon sinks than intensive tillage-fact or fallacy.	\$0

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Werner-Wilson, Ronald	Family Studies	National Institute of Health	A Social Neuroscience Investigation of the Impact of Parental Military Deployment and Reintegration on Youth and Family Functioning	\$1,320,268
Williams, David	Plant & Soil Sciences	Ceres Inc	Evaluation of Miscanthus Species as Feedstock Biofuels	\$68,110
Wright, Shawn	Horticulture	KY Department of Agriculture	Annual Plasticulture Strawberry Production	\$35,642
Wright, Shawn	Horticulture	KY Department of Agriculture	Rhubarb: An Early Crop for Market Gardeners	\$9,204
Yuan, Lind	Plant & Soil Sciences	KY Science and Technology Co Inc	Development of Hyperactive DNA Transposases by Directed Evolution	\$80,000
Zhu, Hongyan	Plant & Soil Sciences	National Institute of Food and Agriculture	Genetic control of pod shattering in soybeans and comparative genetic analysis with other legumes	\$499,768
Zhu, Hongyan	Plant & Soil Sciences	National Institute of Food and Agriculture	Genetic and genomic characterization of natural variation in nitrogen fixation efficiency in the legume-rhizobia symbiosis	\$499,928