

**Agriculture  
July 2011  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Ashurst, Keri	Family & Consumer Sciences	Kansas State University	OMK RSN Network Ft. Campbell	\$20,000
Bruening, William	Plant & Soil Sciences	KY Small Grain Promotion Council	Performance of Small Grain Varieties in KY	\$8,000
Chappell, Joseph	Plant & Soil Sciences	Texas A&M University	Synthetic Crop for Direct Drop-in Biofuel Production through Re-routing the Photorespiration Intermediates and Engineering Terpenoid Pathways	\$455,924
Crankshaw, Ned	Landscape Architecture	Frankfort Independent Schools	Deliverables for Form Based Code-Second Street area	\$6,000
Han, Sung	Animal and Food Sciences	American Heart Association	Atherogenic Effects of Nanoparticles	\$308,000
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
Harwood, James	Entomology	KY Small Grain Promotion Council	Tracking the source of aphid-vectored virus in winter wheat	\$16,783
Harwood, James	Entomology	Pennsylvania State University	Is the Dilution Effect Hypothesis Applicable to Other Parasitic Systems?	\$0
Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Emerging Science from the Superfund Research Program and its Applications to ATSDR and Contaminated Communities	\$18,500
Hunt, Arthur	Plant & Soil Sciences	National Science Foundation	Collaborative Research: CPSF30 at the convergence of cellular signaling and RNA processing	\$509,963
Husband, Andrea	Agr Programs	Purdue University	EDEN Strengthening Community Agrosecurity Planning and Exercise (S-CAPE) Program	\$40,000
Kachroo, Pradeep	Plant Pathology	Boyce Thompson Institute for Plant Research	Molecular, genetic, and biochemical characterization of HRT-mediated resistance to Turnip Crinkle Virus.	\$493,789
Kesterson, Abbe	Plant & Soil Sciences	Forest Service	Internet payment platform system	\$3,225
Lear, Teri	Veterinary Science	Indiana State University	The White-throated Sparrow as a New Genomics Model for Human Sexual Behavior.	\$0
Littleton, John	Ky Tobacco Research & Dev Center	Naprogenix	STTR: Hypericum Extracts as Potential Anti-Relapse Medications in Alcoholism	\$453,806
MacLeod, James	Veterinary Science	Department of Defense	Synovial Joint Progenitor Cells and the Repair of Large Traumatic Lesions That Include the Articular Surface	\$1,007,275

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Martin, James	Plant & Soil Sciences	KY Small Grain Promotion Council	Managing Giant Ragweed and Marestalk in Wheat	\$0
McCulley, Rebecca	Plant & Soil Sciences	National Science Foundation	CAREER: Enhancing Agricultural Science and Climate Change Literacy by Integrating Agroecological Teaching, Research, and Community Outreach	\$962,982
Moe, Luke	Plant & Soil Sciences	National Science Foundation	CAREER: D-Amino acids as currency in the rhizosphere	\$622,764
Mueller, Thomas	RCTF-1-Plant Sciences-Agronomy	National Institute of Food and Agriculture	Cloud Computing Based Water Quality Geospatial Information System for Evaluating BMPs at Watershed Scales.	\$0
Murdock, Lloyd	Plant & Soil Sciences	KY Small Grain Promotion Council	IMPROVING NITROGEN APPLICATION TECHNOLOGY UNDER KENTUCKY CONDITIONS	\$5,000
Newman, Melissa	Animal and Food Sciences	National Institute for Hometown Security	Stability of Biological Toxins in High Risk Foods	\$0
Palli, Subba	Entomology	National Science Foundation	Mechanisms of 20-hydroxyecdysone and Juvenile Hormone Cross-Talk	\$577,497
Ritchey, Edwin	Plant & Soil Sciences	KY Small Grain Promotion Council	Survey of the Tissue Nutrient Status of Winter Wheat in Kentucky	\$4,000
Thom, William	Regulatory Services	Food and Drug Administration	Enhancing and Building the Capability of Feed Safety in Kentucky	\$493,120
Van Sanford, David	Plant & Soil Sciences	KY Small Grain Promotion Council	Impact of Climate Change of Wheat Production in Kentucky	\$5,000
Van Sanford, David	Plant & Soil Sciences	KY Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development For Kentucky	\$51,805
Wendroth, Ole	Plant & Soil Sciences	KY Small Grain Promotion Council	Wheat Crop Sensing in Spring: On-Farm Comparison of Uniform, on the go, and prior Scanning	\$6,500
Werner-Wilson, Ronald	Family Studies	Department of Health and Human Services	Community-Centered Healthy Marriage and Relationship Education for Military Couples	\$4,683,863
Wilson, Patsy	Horticulture	KY Department of Agriculture	Sustainable Nitrogen Practices in Kentucky Vineyards	\$52,000
Yuan, Ling	Ky Tobacco Research & Dev Center		FOLIUM - Evaluation of Tobacco Biofuels Production	\$488,538
Zhou, Xuguo	Entomology	Consortium for Plant Biotechnology Research Inc		\$0
Zhu, Hongyan	Plant & Soil Sciences	National Science Foundation	Host genes regulating strain-specific nitrogen fixation in the legume-rhizobia symbiosis	\$600,654