

**Agriculture
November 2014
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Davis, Alison	Agr Economics	Michigan State University	CAPE Western Kentucky Barometer Community	\$115,905
Davis, Alison	Agr Economics	KY Governor's Office of Agricultural Policy	Evaluation of Ag Development Board Funding	\$145,000
Davis, Alison	Agr Economics	National Endowment for the Arts	The Role of the Arts in Attracting Young Professionals: Rural vs Urban	\$25,000
Davis, Todd	Agr Economics	University of Arkansas	Training Kentucky Crop Farmers to Develop an Integrated Farm Program, Insurance, and Price Risk Management Safety-Net	\$49,998
Halich, Gregory	Agr Economics	University of Georgia	Winter Finishing Systems for Grassfed Cattle	\$15,000
Halich, Gregory	Agr Economics	University of Arkansas	Pasture-Based Finishing for Cattle, Chickens, and Hogs	\$48,994
Adedeji, Akinbode	Biosystems & Ag Eng	KY Science and Technology Co Inc	KSEF RDE: Novel Gluten-free Grain Extruded Snack Food - an Opportunity for Kentucky	\$29,500
Wilhoit, John	Biosystems & Ag Eng	University of Georgia	A Cost-Effective Mechanized System to Benefit the Sustainability of Local Organic Vegetable Production	\$14,973
McGrath, Joshua	Plant & Soil Sciences	National Fish and Wildlife Foundation	SAM Initiative: Achieving Subsurface Application of Manures in the Chesapeake Bay Basin	\$257,621
Pearce, Robert	Plant & Soil Sciences	University of North Texas Health Science Center	Efficacy Study of a Nicotine Barrier Cream (Phase II)	\$91,053
Zhu, Hongyan	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Development of Molecular Markers for Selection Against a Soybean Gene that Restricts Nodulation by the Highly Efficient Nitrogen-fixing Strain USDA 110	\$77,031
Zhu, Hongyan	Plant & Soil Sciences	KY Science and Technology Co Inc	KSEF RDE: Genetic Regulation of Nodulation Specificity in Medicago Truncatula	\$30,000
Zhu, Hongyan	Plant & Soil Sciences	University of North Texas Health Science Center	Molecular and Structural Basis of Nodulation Signaling and Nitrogen Fixation	\$251,428
Lehmkuhler, Jeffrey	Animal and Food Sciences	University of Arkansas	Bull Selection and Management to Reduce Production and Financial Risk	\$49,400

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Lindemann, Merlin	Animal and Food Sciences	National Pork Board	Supplementation of Sows with Varying Forms and Levels of Copper to Increase Efficiency and Improve Longevity	\$152,000
Harwood, James	Entomology	US-Israel Binational Science Foundation	Do flowers enhance colonization and subsequent biological control by natural enemies in orchards?	\$4,000
Rieske-Kinney, Lynne	Entomology	Eastern KY University	Biological Assessments of the Eastern Kentucky Training Site and H.R. Disney Training Site in Kentucky	\$11,689
Price, Steven	Forestry	Morris Animal Foundation	Evaluating Population-level impacts of snake fungal disease	\$119,849
Downie, A. Bruce	Horticulture	National Science Foundation	Discovering Molecular Mechanisms of Action For a Group of Intrinsically Disordered, Late Embryogenesis Abundant (LEA) Proteins.	\$711,031
Vaillancourt, Lisa	Plant Pathology	Chromatin Incorporated	Testing the Response of Commercial Sweet Sorghum Germplasm to Colletotrichum sublineola	\$60,483
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Science Foundation	Taming of the Actin Network by Viruses to Promote Replication	\$865,667
Ebersole, Jeffrey	Facilities Management Administration	Biomedical Development Corporation	SBIR: Development and Feasibility of PeriodDXTM for Identification of Periodontal Disease	\$4,851
Gumbert, Amanda	Agr Programs	Natural Resources Conservation Service	Nutrient Management Planner	\$60,000
Hunter, Jennifer	Family Studies	University of Arkansas	Managing for Today and Tomorrow: Risk Management Education for Kentucky Farm Families	\$49,136
Vazsonyi, Alexander	Family Studies	US Israel Binational Agriculture and Research Fund	Trajectories of Change in Aggressive Behavior among Israeli Jewish and Arab Children: Individual, Family and Community Risk and Protective Factors	\$60,370
Vail, Ann	School of Human Envir Sciences - Admin	US Department of Agriculture	Child Poverty Nutrition Center	\$2,500,000
Ji, Huihua	Kentucky Tobacco Research & Dev Ctr	Altria Corporate Services Inc	Altria NNK research	\$77,000