

**Agriculture  
April 2013  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Project 1 - Effect of Excess Heat on TSNA	\$91,000
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Conservation tillage management systems for tobacco	\$48,640
Bessin, Ricardo	Entomology	National Institute of Food and Agriculture	Advancing IPM in Kentucky through Extension: 2013-2016	\$355,997
Carter, Craig	Veterinary Diagnostic Laboratory	KY Department of Agriculture	Bovine Spongiform Encephalopathy 5/1/13-3/31/14	\$4,000
Davis, Alison	Coop Ext Development Program	Southern Rural Development Center	Food Insecurity Recurrence in Kentucky	\$35,072
DeBolt, Seth	Horticulture	North Carolina State University	Advancement of Camelina and Sorghum Cropping Systems for a Sustainable Southeast Region Biomass Supply Chain	\$779,155
Fisher, Colin	Plant & Soil Sciences	Council for Burley Tobacco	The effect of temperature and relative humidity on TSNA accumulation during curing of burley tobacco	\$14,000
Goodin, Michael	Plant Pathology	National Science Foundation	Population structure of Coffee ringspot virus in Brazil	\$69,668
Harmon, David	Animal and Food Sciences	Zoetis LLC	Use of In Vitro Fermentation as a Comparative Measure of Ionophore Function	\$40,120
Harper, Carl	Entomology	Slow the Spread Foundation	Monitor Gypsy Moth Populations for Slow the Spread Program	\$41,000
Harwood, James	Entomology	US-Israel Binational Science Foundation	Potential colonization of croplands by desert-inhabiting spiders	\$4,000
Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Nutrition and Superfund Chemical Toxicity	\$14,173,158
Hildebrand, David	Plant & Soil Sciences	Kentucky Specialty Grains LLC	Commercialization of Early Flowering Chia	\$4,000
Houtz, Robert	Horticulture	KY Governor's Office of Agricultural Policy	Center for Crop Diversification	\$249,029

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Jack, Anne	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Alkaloid & TSNA Stereo Isomers in TN90 Low Converter, High Converter, Transgenic & Demethylase Mutants	\$17,000
Jacobsen, Krista	Horticulture	Natural Resources Conservation Service	Soil and Water Conservation in Seasonal High Tunnels: Evaluating Approved Practices and New Innovations for Resource Conservation	\$74,674
Ji, Huihua	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Precision and accuracy of individual alkaloid measurements	\$12,000
Ji, Huihua	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Determination of Enantiomers of TSNA in Altered Alkaloid Tobacco Lines	\$14,000
Kurzynske, Janet	Nutrition and Food Science	University of Minnesota	KY CYFAR PD&TA Program	\$180,000
Lehmkuhler, Jeffrey	Animal and Food Sciences	Louisiana State University	Adapting Genetic and Management Tools to Improve Heat Tolerance in Beef Cattle	\$283,264
Lu, Ying	Merchandising, Apparel & Textiles	Purdue University	The Heartland of the United States as Destinations for the Inbound Market from China	\$10,000
Maiti, Indu	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Nanobiotechnology approaches to control tobacco insects	\$24,861
Martin, Jams	Plant & Soil Sciences	Monsanto Co	RR2X Soybean Systems Recommendations: Midwest (conventional tillage)	\$9,600
Meyer, Alphonse	Agr Economics	University of Wyoming	USDA SARE Fellows Spring 2013 Tour to Kentucky	\$9,025
Mihaylova-Kroumova, Antoaneta	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Use of cis-abienol or T-phyloplanin to prevent black shank disease in tobacco	\$25,000
Overhults, Douglas	Biosystems & Ag Eng	University of Minnesota	Adapting Swine Housing Designs and Management Systems to Climate Variability	\$143,999
Purschwitz, Mark	Biosystems & Ag Eng	Pennsylvania State University	Safety in Agriculture for Youth (SAY)	\$50,000
Seebold, Kenneth	Plant Pathology	Valent BioSciences Corporation	Evaluation of Experimental Fungicides and Insecticides	\$10,000
Wagner, George	Plant & Soil Sciences	Council for Burley Tobacco	Prospects for using nanoparticles to replace Quadris for control of frogeye leaf spot and blue mold in tobacco cultivation.	\$25,000

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Wilhoit, John	Biosystems & Ag Eng	Council for Burley Tobacco	Utilizing Temperature and Relative Humidity to Predict Moisture Content of Burley Tobacco for Market Preparation Activities	\$14,319
Wright, Shawn	Horticulture	University of Arkansas	Expanding Plastics Strawberry Production and Marketing in Kentucky and Ohio Through Coordinated Demonstration and Education	\$140,607
Wright, Shawn	Horticulture	KY Department of Agriculture	UK Ginseng 2013 Monitoring	\$11,000
Yuan, Ling	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	A Topping-induced Tobacco Sucker Control System Delivered by Intragenic Transformation	\$21,170
Zaitlin, David	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Developing Genetic Resources to Transfer Tomato Spotted Wilt Virus (TSWV) Resistance from Nicotiana glauca to Tobacco	\$15,051
Zaitlin, David	Ky Tobacco Research & Dev Center	Council for Burley Tobacco	Utilization of the Arabidopsis FT Gene to Facilitate Rapid Tobacco Variety Development	\$30,000