

**Agriculture
August 2016
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Higgins	Assoc Dean Research/Director AES	KY Environmental and Public Protection Cabinet	Linking Environment and Farming (LEAF)	\$12,000
Hanley, Carol	Center for the Environment	Department of State	Exploring Water Quality in Eastern India and Kentucky	\$149,740
Buck, Steven	Agr Economics	National Institute of Food and Agriculture	The Consequences of Changing Water Availability in California Agriculture for Agricultural Land-Use in the United States	\$107,718
Davis, Alison	Agr Economics	National Institute of Food and Agriculture	Building Vibrant Local Food Systems in the South	\$173,221
Woods, Timothy	Agr Economics	Robert Wood Johnson Foundation	Employee and Community Impacts of an Employer-Funded CSA Voucher Program	\$102,895
Dvorak, Joseph	Biosystems & Ag Eng	National Institute of Food and Agriculture	SMART FARM # Agricultural Water Management for the Right Amount and Quality of Water Entering and Leaving the Farm	\$1,579,239
Montross, Michael	Biosystems & Ag Eng	North Carolina State University	Drying, Storage, and Handling of Camelina	\$130,000
Montross, Michael	Biosystems & Ag Eng	National Institute of Food and Agriculture	Effective Mitigation Strategies for Antimicrobial Resistance	\$293,173
Sama, Michael	Biosystems & Ag Eng	KY Education and Workforce Development Cabinet	Hands-On Unmanned Aircraft Systems Training for Kentucky	\$1,851,666
Warner, Richard	Biosystems & Ag Eng	KY Economic Development Cab	Mining Reclamation and Expanded Technological Capabilities to Advance Economic Development in Appalachia	\$1,311,492
Haramoto, Erin	Plant & Soil Sciences	University of Nebraska	Optimizing cropping systems for resilience to stress: role of maturity group selection and cover crops on yield, weeds, insects, and microbes	\$120,000
McCulley, Rebecca	Plant & Soil Sciences	National Institute of Food and Agriculture	Utilizing grass-endophyte technology to improve pasture soil health and resilience to climate change stressors	\$499,989
McCulley, Rebecca	Plant & Soil Sciences	National Institute of Food and Agriculture	Identifying mechanisms of abiotic stress resistance in tall fescue utilizing gene expression and metabolomic profiling in a field climate change experiment	\$240,488
McNear, David	Plant & Soil Sciences	Washington State University	Pre-symptomatic detection of bitter pit in apple	\$13,377

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Ren, Wei	RCTF-1-Plant Sciences-Agronomy	Indiana University	A quantitative evaluation of the effects of no-till and cover crop practices on agricultural yield resilience and soil health - combining meta-analysis and process-based modeling	\$60,788
Ren, Wei	RCTF-1-Plant Sciences-Agronomy	Indiana University	Changing Agricultural Land-Use In The United States And Its Implications For Ecosystem Services	\$57,988
Bewley, Jeffrey	Animal and Food Sciences	Alltech Biotechnology Inc	Precision Dairy Monitoring Technologies for Transition Cow Feed Additive Efficacy	\$33,942
Bewley, Jeffrey	Animal and Food Sciences	GEA Farm Technologies Incorporated	Testing GEA foot spray	\$12,891
Bewley, Jeffrey	Animal and Food Sciences	GEA Farm Technologies Incorporated	Evaluating DX686 as a Post Milking Teat Disinfectant Using a Split Udder Dairy Model	\$12,891
Barton, Christopher	Forestry	American Chestnut Foundation	Reclaimed Mines for Chestnut Restoration: Will Phytophthora Cinnamomi Recolonize Reclaimed Mine Sites?	\$9,982
Conrad, Anna	Forestry	American Chestnut Foundation	Evaluating Chemical Fingerprinting as a Tool to Rapidly Screen Hybrid Chestnut for Disease Resistance	\$4,511
Price, Steven	Forestry	Forest Service	Using Freshwater Mussels as Ecosystem Indicators and Development of Methods for Mussel Restoration	\$10,000
Downie, A	Horticulture	Mizutani Foundation for Glycoscience	Elucidating Raffinose Family Oligosaccharide Pathway Influence on Plant Vigor.	\$38,291
Downie, A	Horticulture	National Institute of Food and Agriculture	Superior Maize Stand Establishment Under Duress Through Greater Seed- And Seedling-Vigor.	\$96,831
Goodin, Michael	Plant Pathology	National Science Foundation	IRES: America-Brazil Training in Virology	\$803,987
Pfeufer, Emily	Plant Pathology	Alltech Biotechnology Inc	Student Sponsorship - Erica Fealko: Independent and Plant-mediated Inhibition of Plant Pathogens in Tomato by Fermentation Byproduct	\$38,977
Epps, Rebekeah	Community & Leadership Devel	Virginia Polytechnic Institute and State University	Identifying Teacher Continuing Professional Development Needs to Integrate STEM in Agricultural Education CTE Programs for Career Ready Program Completers	\$20,000
Koo, Jayoung	Landscape Architecture	National Endowment for the Arts	Extending Creative Narratives: Engaging Communities in the Art of Placemaking	\$50,000
Sikora, Frank	Regulatory Services	KY Department of Agriculture	Limestone Testing Agreement	\$14,000

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Kurepa, Jasmina	Kentucky Tobacco Research & Dev Ctr	British American Tobacco	BAT JKTobacco1	\$70,000
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