

**Agriculture
July 2017
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Abbott, Albert	Forestry	Pennsylvania State University	Plant Genome Research Program	\$928,404
Adedeji, Akinbode	Biosystems & Ag Eng	National Institute Of Food And Agriculture	Value-Added Utilization of Proso Millet for Gluten Free Baked Products	\$498,250
Agouridis, Carmen	Biosystems & Ag Eng	Lexington Fayette Urban County Government	University of Kentucky Stormwater Quality Improvement and Stream Restoration Project Design and Construction	\$299,400
Bewley, Jeffrey	Animal and Food Sciences	Smartbow GmBH	Real Time Location System for Monitoring Dairy Cattle Behavior	\$149,336
Bewley, Jeffrey	Animal and Food Sciences	Alltech Biotechnology Inc	Feed Additives for Transition Cow Management and Disease Prevention	\$48,070
Boatright, William	Animal and Food Sciences	California Institute Of Technology	Improving The Sensory Attributes Of Rice Protein Isolates	\$23,997
Bradley, Carl	Plant Pathology	Kentucky Small Grain Growers Association	Improving fungicide application recommendations for managing Fusarium head blight of wheat and barley	\$16,135
Bruening, William	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Performance of Small Grain Varieties in Kentucky	\$12,133
Crocker, Ellen	Forestry	National Institute Of Food And Agriculture	2018 Conference "Tree Resistance To Insects And Diseases: Putting Promise Into Practice"	\$50,000
Crofcheck, Czarena	Biosystems & Ag Eng	National Institute Of Food And Agriculture	An Agroecosystems Approach for Protecting Water from Harmful Algal Blooms to Sustain Food Production	\$5,178,814
Davis, Alison	Agr Economics	Community Farm Alliance	Kentucky Double Dollars program	\$25,675
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	\$4,990,410
Goodin, Michael	Plant Pathology	National Institute Of Allergy And Infectious Diseases	Proximity-Dependent Biotin Identification of Protein Interactions in Virus-Infected Nuclei	\$398,750
Hildebrand, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Enhanced Chia Production & Product Development	\$22,767

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Kachroo, Aardra	Plant Pathology	National Institute Of Food And Agriculture	Determining Mutual Interactions Between Beneficial Soil Microbes	\$198,714
Kachroo, Pradeep	Plant Pathology	National Institute Of Food And Agriculture	Acquisition Of A Time-Of-Flight Mass Spectrometer To Enhance Research On Beneficial Organisms	\$50,000
Knott, Carrie	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Can Fusarium Head Blight Vomitoxin Levels be Reduced with Agronomic Practices	\$44,112
Knott, Carrie	Plant & Soil Sciences	National Institute Of Food And Agriculture	Strengthening Undergraduate Training through Experiential Learning Opportunities in Applied Agronomic Research and Extension	\$299,571
Knott, Carrie	Plant & Soil Sciences	Virginia Polytechnic Institute And State University	Sustainably Increasing Profitability of Double-Crop Small Grain-Soybean Systems	\$62,786
Koo, Jayoung	Landscape Architecture	National Science Foundation	CAREER: Change S.M.A.R.T.: Spatial Measures for Advancing Resilient Rural Transitions	\$573,938
Lee, Chad	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Updating Rye and Barley Management Guidelines for Kentucky	\$18,000
Legleiter, Travis	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Detection and Management of herbicide-resistant annual ryegrass in Kentucky wheat	\$10,033
Lensing, Janet	Entomology	US Department of Agriculture	Cooperative Agricultural Pest Surveys	\$101,460
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Fragipan Remediation	\$17,000
Nielsen, Martin	Veterinary Science	Morris Animal Foundation	Equine Parasite Lipidomics - Searching for Determinants of Parascaris Spp. Infection	\$10,767
Palli, Subba	Entomology	National Institute Of Food And Agriculture	RNA Interference Resistance Mechanisms	\$494,156
Palli, Subba	Entomology	National Science Foundation	RNA Interference Mechanisms In Insects	\$996,017
Phillips, Timothy	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Breeding new cover crop rye cultivars for the Midwest	\$3,000
Plasencia, Julie	Dietetics and Human Nutrition	University Of Florida	Use of Mushrooms As Meat Replacers And To Reduce Sodium in Meat Products	\$172,319

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Ren, Wei	RCTF-1-Plant Sciences-Agronomy	Indiana University Purdue University Indianapolis	Climate Resilient Agriculture and Greenhouse Gas Mitigation in the United States	\$466,276
Rieske-Kinney, Lynne	Entomology	Forest Service	Development of RNAi in Woody Plants for Broad Scale Management of Tree Pests	\$25,000
Ritchey, Edwin	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Field Schools at UKREC-Wheat	\$30,000
Rittschof, Clare	Entomology	National Science Foundation	CAREER: The Neural Energetics Of Aggression: From Bee Brains To Beekeepers	\$1,155,090
Smith, Samuel	Plant & Soil Sciences	University Of Tennessee	Development and Implementation of Sustainable and Resilient Grassland Agroecosystems	\$93,179
Unrine, Jason	Plant & Soil Sciences	National Institute Of Food And Agriculture	Development of Degradable Bio-Nanomaterials as Delivery Systems to Enable RNAi-based Control of Lepidopteran Insect Pests	\$500,000
Vaillancourt, Lisa	Plant Pathology	Ky Council On Postsecondary Education	KY EPsCoR: Research Experiences for Under-represented Minority High School Students	\$10,000
Van Sanford, David	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Soft Red Winter Wheat Breeding and Variety Development for Kentucky	\$66,625
Villanueva, Raul	Entomology	Kentucky Small Grain Growers Association	Times Insecticide Spray To Conrol Aphids And Reduce BYDV Infections	\$15,149
Villanueva, Raul	Entomology	Kentucky Small Grain Growers Association	Evaluating Aphis Resistance To Pyrethroids In Western Kentucky's Wheat	\$4,738
Vincent, Stacy	Community & Leadership Devel	Ky Department Of Education	University of Kentucky Perkins Leadership Award 2017-2018	\$3,000
Wise, Kiersten	Plant Pathology	Purdue University	Integration Management Strategies for Aspergillus and Fusarium Ear Cots of Cron	\$90,825
Woods, Timothy	Agr Economics	National Institute Of Food And Agriculture	Measuring And Building On Local Food System Vitality For Communities In The South	\$494,027
Woods, Timothy	Agr Economics	Purdue University	Trust Signals And Legitimacy In Local Products For Local Markets	\$23,532