

**Agriculture
January 2016
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Mark, Tyler	Agr Economics	Western Kentucky University	Agriculture Gateway Resource Center	\$68,390
Shockley, Jordan	Agr Economics	Kentucky Soybean Promotion Board	Determining the Economic Value of Poultry Litter for Kentucky Soybean Producers	\$28,499
Dvorak, Joseph	Biosystems & Ag Eng	Kentucky Soybean Promotion Board	Wet Soybean Delivery Advice App	\$13,945
Nokes, Sue	Biosystems & Ag Eng	Louisiana State University	Assembling Successful Structures: Lignin Beads for Sustainability of Food, Energy, and Water Systems	\$2,000,000
Shi, Jian	Biosystems & Ag Eng	Oak Ridge Associated Universities	Aqueous Phase Lignin Refining Via a Novel Biocatalysis Route in Biocompatible Ionic Liquids	\$10,000
Green, Jonathan	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Investigation of Mixed Population of Palmer Amaranth and Waterhemp with Multiple Herbicide Resistance	\$17,330
Haramoto, Erin	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Cover Crop Interseeding for Weed Management in Soybeans	\$37,593
Haramoto, Erin	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Optimizing Winter Cover Crops for Weed Management in Soybeans	\$38,093
Hildebrand, David	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Development of High #3 Soybeans	\$61,345
Knott, Carrie	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Intensive Management: An option to increase Double-Crop Soybean Yields?	\$39,435
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Fragipan Remediation 2016 Soybean	\$25,000
Ritchey, Edwin	Plant & Soil Sciences	Kentucky Soybean Promotion Board	An Integrated Approach to Understand the Dynamics of Poultry Litter Use in Corn and Soybean Production Systems	\$35,000
Venard, Claire	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Support for Technician Position with the Kentucky Soybean Variety Performance Program	\$49,154
Wendroth, Ole	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Year 3 of Irrigating the Soil to Maximize the Crop # An Approach for Soybean to Efficient and Environmentally Sustainable Irrigation Water Management in Kentucky	\$40,132

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Yang, Shengming	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Increase Seed Weight to Enhance Soybean Yield Potential	\$30,000
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	\$50,000
Adedokun, Sunday	Animal and Food Sciences	DuPont	An investigation into the effect of enzyme treatments on ileal and total tract digestibility of nutrients in 21d broiler chickens	\$82,734
Hennig, Bernhard	Animal and Food Sciences	National Institute of Environmental Health Sciences	Director's Conference Support: 2016 CEECHE	\$3,000
Cox, John	Forestry	KY Science and Technology Co Inc	KSEF RDE: A landscape genetic analysis of the impacts of habitat fragmentation on copperhead populations of southeastern Kentucky	\$28,740
Wilson, Patsy	Horticulture	KY Department of Agriculture	UK Grape and Wine Seminar	\$14,000
Bradley, Carl	Plant Pathology	Southern Illinois University	Developing a comprehensive management program for foliar diseases of soybean (Phase II)	\$60,516
Bradley, Carl	Plant Pathology	Kentucky Soybean Promotion Board	Managing frogeye leaf spot of soybean with foliar fungicides and resistant varieties	\$19,868
Kachroo, Aardra	Plant Pathology	Kentucky Soybean Promotion Board	Using Native Rhizobia Cultures to Enhance Disease Resistance in Soybean	\$64,049
Vaillancourt, Lisa	Plant Pathology	East Carolina University	Genome-wide identification of key microRNAs for improving switchgrass tolerance to anthracnose disease	\$250,514
Gumbert, Amanda	Agr Programs	KY Energy and Environment Cabinet	Managing Poo: Adoption of Nutrient Management and Conservation Practices	\$235,878