

**Agriculture
March 2017
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Coyne, Mark	Plant & Soil Sciences	National Institute of Food and Agriculture	Do Best Management Practices Influence Nitrous Oxide Emission in Transitional Organic Production Systems?	\$487,182
Cropper, Kenneth	Plant & Soil Sciences	Dow AgroSciences	DAS NA17T8G001	\$3,000
Dunwell, Winston	Horticulture	KY Department of Agriculture	Blueberry High Tunnel Overwintering and Bird Protection	\$21,597
Dvorak, Joseph	Biosystems & Ag Eng	National Science Foundation	CPS: Medium: Enabling Real-Time Analysis of Complex Agricultural Systems using Automated Cyber-Physical Systems	\$948,113
Harper, Carl	Entomology	Slow the Spread Foundation	Monitor Gypsy Moth Populations for Slow the Spread Program	\$44,000
Hildebrand, David	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Genetic Selection of High Protein Soybeans	\$27,899
Houtz, Robert	Horticulture	National Institute of Health	Exploring the Significance of Post-Translational Methylation of Calmodulin	\$1,250,000
Kenimer, Richard	Plant & Soil Sciences	Dow AgroSciences	DOW Chemical Materials Trial	\$15,190
Lee, Brad	Plant & Soil Sciences	Natural Resources Conservation Service	Phosphorus Runoff Reduction with Alum Treated Poultry Litter: Implications for Kentucky USDA NRCS Standard Practice 590 and 591	\$75,000
Lehmkuhler, Jeffrey	Animal and Food Sciences	Kentucky Beef Network	Kentucky Beef Network Master Account	\$259,874
McNeill, S	Biosystems & Ag Eng	Rural Development	Technical Assistance for Energy Use on Kentucky Farms	\$76,720
Meyer, Alphonse	Agr Economics	University of Georgia Agriculture Experiment Station	Implement Plan of Work for the Southern Region Sustainable Agriculture Research and Education (SARE)	\$30,011
Namkoong, Kang	Community & Leadership Deve	Marshfield Clinic Research Foundation	Assessing the Impact of Traumatic Injury News Articles on Farm Parents	\$37,800
Nokes, Sue	Biosystems & Ag Eng	National Science Foundation	Secure and Sustainable Food Production Through A Systems Approach to Plant Derived Antimicrobials	\$2,499,795

**Agriculture
March 2017
Proposal Submissions**

Pattanaik, Sitakanta	KY Tobacco Research & Dev Ctr	Rj Reynolds Tobacco Co	RJRTARUKY-3-SP&LY	\$206,106
Pearce, Robert	Plant & Soil Sciences	University of North Texas Health Science Center	Intervention Study to Reduce Nicotine Exposure to Tobacco Harvesting Workers	\$309,019
Pfeufer, Emily	Plant Pathology	KY Department of Agriculture	Extension-based Fungicide Resistance Monitoring for Cucurbit Downy Mildew	\$31,328
Pfeufer, Emily	Plant Pathology	Council for Burley Tobacco	Dynamics of genetic mutations conferring azoxystrobin resistance in two populations of the frogeye leaf spot pathogen, <i>Cercospora nicotianae</i> , under different spray schedules	\$11,000
Salmeron Cortasa, Montserrat	Plant & Soil Sciences	Kentucky Soybean Promotion Board	Quantifying the 100 bu ac-1 yield potential and its profitability for environmental conditions in Kentucky	\$34,888
Salmeron Cortasa, Montserrat	Plant & Soil Sciences	Natural Resources Conservation Service	Increasing Productivity and Water Use Efficiency in Grain Crops with an Irrigation Management Tool	\$75,000
Salmeron Cortasa, Montserrat	Plant & Soil Sciences	US Department of Agriculture	Phenology and Water Deficit Monitoring System for Climate Resiliency	\$75,000
Salmeron Cortasa, Montserrat	Plant & Soil Sciences	Kentucky Corn Growers Association	Ecophysiology of Corn Yield Potential and N Requirements Under Variable Water Management	\$35,000
Teets, Nicholas	Entomology	National Institute of Food and Agriculture	Impact of Genotype and Environmental Variables on Transgene Effectiveness for Conditional Lethality Systems in Insects	\$500,000
Vijayakumar, Paul Priyesh	Animal and Food Sciences	KY Department of Agriculture	Kentucky's FSMA Implementation Agreement	\$1,170,000
Woods, Timothy	Agr Economics	Agricultural Marketing Service	Local Foods Vitality Index - Producer Perspective	\$340,050