

**Agriculture
March 2015
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Adedeji, Akinbode	Biosystems & Ag Eng	National Institute of Food and Agriculture	Extrusion Processing for Value-Added Production of Food and Feed	\$50,000
Ashurst, Kerri	Family & Consumer Sciences	Purdue University	Measuring Communities: Mapping Progress for Military and Veteran Families	\$12,000
Baker, Terrell	Forestry	National Institute of Food and Agriculture	The Future of Forestry Research in the US	\$25,000
Bewley, Jeffrey	Animal and Food Sciences	DeLaval International	Economics of automated body condition scoring	\$14,000
Boatright, William	Animal and Food Sciences	Campbell Soup Company	Plant Protein Off #Note Research Program	\$186,717
Boatright, William	Animal and Food Sciences	National Institute of Food and Agriculture	Generation of Hydrogen Peroxide and Daughter Radicals in Infant Formulas and Drink Mixes	\$497,059
Carter, Craig	Veterinary Diagnostic Laboratory	KY Department of Agriculture	Bovine Spongiform Encephalopathy Testing and Related Services	\$4,200
Chambers, Orlando	Kentucky Tobacco Research & Dev Ctr	Food and Drug Administration	Development and Distribution of a Certified Reference Cigarette Suitable for Research Applications and Establishing a Proficiency Testing Program at the University of KY Reference Cigarette Program	\$9,500,000
Crofcheck, Czarena	Biosystems & Ag Eng	US Department of Agriculture	Changing the Status Quo: How University-Industry Collaboration in the Technical Systems Management Program Can Secure a Place for Kentucky's STEAM Graduates in the New Global Economy	\$150,000
Davis, Alison	Agr Economics	Economic Development Administration	Rural Small Business Marketing Center	\$296,501
Dvorak, Tanya	Community & Leadership Devel	Environmental Protection Agency	Equity in Environmental Education (E3): Taking Underrepresented Youth to the Water	\$80,447
Farman, Mark	Plant Pathology	National Institute of Food and Agriculture	Bet-nedging in the Rice Blast Fungus to Avoid Host Recognition: Gene-for-gene Resistance in Susceptible Rice Plants and an Explanation for Mesothetic Reactions and Race-specific, Partial Resistance	\$499,929
Hanley, Carol	Center for the Environment	National Institute of Food and Agriculture	Developing Agri-STEM Explorers	\$263,620
Kachroo, Aardra	Plant Pathology	National Institute of Food and Agriculture	Understanding The In Planta Activities And Targets Of Bacterial Effectors	\$499,607

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Kachroo, Pradeep	Plant Pathology	National Institute of Food and Agriculture	Molecular and Biochemical Analysis of Glycerophospho Lipid-derived Signaling in the Innate Immune Response	\$499,994
Kahl, Daniel	Coop Ext Development Program	KY Cabinet for Health and Family Services	SNAP Ed Policy, Systems, and Environment Project	\$407,562
Lehmkuhler, Jeffrey	Animal and Food Sciences	Kentucky Beef Network	Kentucky Beef Network VIII Master Education Series	\$427,458
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Invasive Pest Outreach in Kentucky	\$44,077
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Grape Commodity Survey	\$19,520
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Apple Commodity Survey	\$15,510
Lensing, Janet	Entomology	Animal and Plant Health Inspection Service	Imported Fire Ant Survey	\$3,758
Lhotka, John	Forestry	Department of the Interior	Effect of grading technique on forest productivity of high-value tree species in reforested surface mine lands	\$174,765
Meyer, Alphonse	Agr Economics	National Institute of Food and Agriculture	KyFarmStart: A Holistic Approach to Beginning Farmer Education	\$749,150
Mullins, Janet	Dietetics and Human Nutrition	Foreign Agricultural Service	Feeding the Future in Rural Ghana Opportunities for Women Smallholders Legumes and Maize for School Feeding Programs	\$40,000
Nagy, Peter	RCTF-1-Plant Sciences-PlantPath	National Institute of Food and Agriculture	Cyclophins as Broad-spectrum Cell-intrinsic Restriction Factors Against Plant Viruses	\$499,431
Naugle, Lottie	Small Business Development Center SBDC	Louisville Metro Government	Metro Louisville Funding for SBDC	\$30,000
Newman, Melissa	Animal and Food Sciences	Food and Drug Administration	National Center for the Coordination of Food Safety Modernization Act Training for the Small to Medium Sized Food Entrepreneurs	\$580,693
Nielsen, Martin	Veterinary Science	Zoetis LLC	Combination of oxibendazole and pyrantel pamoate in ponies # a controlled efficacy study	\$26,338
Nielsen, Martin	Veterinary Science	Zoetis LLC	Evaluation of drug efficacy with combination deworming and the long term consequences	\$38,980

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Nielsen, Martin	Veterinary Science	US Department of Agriculture	NAHMS National Equine Anthelmintic Resistance Survey	\$144,000
Palli, Subba	Entomology	National Institute of Health	Epigenetic and posttranslational modifier regulation of Juvenile hormone action	\$1,400,000
Pescatore, Anthony	Animal and Food Sciences	National Institute of Food and Agriculture	Increasing Local Poultry Production in Eastern Kentucky	\$597,998
Pescatore, Anthony	Animal and Food Sciences	University of Arkansas	Fishing for a novel source of methionine in organic poultry feed: Exploring the potential of invasive Asian Carp as sustainable fish meal	\$30,000
Potter, Daniel	Entomology	Horticultural Research Institute	Assessing Bee Attractiveness of Woody Landscape Plants and Mitigating Potential Bee Hazard from Neonicotinoid Insecticides	\$26,000
Schardl, Christopher	Plant Pathology	National Institute of Food and Agriculture	Molecular Genetics Of Seed Transmissibility Of Epichloe Sp. Endophytes In Tall Fescue	\$500,000
Suman, Suendranath	Animal and Food Sciences	National Institute of Food and Agriculture	Characterizing myoglobin phosphorylation and its relationship with beef color stability	\$149,999
Vincent, Stacy	Community & Leadership Devel	National Institute of Food and Agriculture	Engaging Students to Strengthen Agribusinesses	\$149,017
Zhou, Suguo	Entomology	National Institute of Food and Agriculture	Transcriptional Dialogues Among The Invasive Whiteflies, A Geminivirus, And Tomato Plants	\$150,000