

**Agriculture
June 2017
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Adedeji, Akinbode	Biosystems & Ag Eng	National Institute Of Food And Agriculture	Nondestructive Methods For Adulteration Detection In Processed Meats	\$949,633
Adedokun, Sunday	Animal and Food Sciences	National Institute Of Food And Agriculture	Investigating The Role Of Inflammation And Ghrelin Levels On Performance, Feed Intake, Intestinal Permeability And Bone Development In Eimeria sp. And Dexamethasone Challenged Broiler	\$500,000
Balasuriya, Udeni	Veterinary Science	National Institute Of Food And Agriculture	Prevention and control of equine herpesvirus myeloencephalopathy (EHM) in horses: Evaluation of safety, efficacy and immunogenicity of a novel, genetically defined live attenuated vaccine	\$499,611
Bessin, Ricardo	Entomology	University Of Georgia	On Farm Management of a Specialist Native Pollinator: Investigation Of The Impact Of Tillage On Squash Bee (Peponapis Pruinosa) and The Development Of a Producer Education Program	\$16,000
Bewley, Jeffrey	Animal and Food Sciences	Virginia Polytechnic Institute And State University	Mastitis Detection Using Technologies	\$150,000
Brislen, Lilian	Agr Economics	National Institute Of Food And Agriculture	Cultivate Kentucky Partnership Expansion	\$150,000
Carter, Craig	Veterinary Diagnostic Laborato	Ky Department Of Agriculture	Mosquito and Tick Testing	\$121,000
Carter, Craig	Veterinary Diagnostic Laborato	Animal And Plant Health Inspection Service	Diagnostic Laboratory Support of NAHLN	\$52,184
Chambers, Thomas	Veterinary Science	National Institute Of Food And Agriculture	Adaptation of avian-origin influenza viruses to the horse	\$490,224
Conrad, anna	Forestry	National Institute Of Food And Agriculture	Enviromental Impacts On Dormancy Regulation In Fruit Trees	\$478,065
Crocker, ellen	Forestry	National Institute Of Food And Agriculture	Kentucky Forest Health Integrated Postdoctoral Fellowship	\$163,602
Crocker, ellen	Forestry	National Institute Of Food And Agriculture	Development Of A National Forestry And Natural Resources Extension Fellowship	\$300,000
Crocker, ellen	Forestry	National Institute Of Food And Agriculture	Undergraduate certificate in urban and community forestry	\$150,000
Crofcheck, Czarena	Biosystems & Ag Eng	National Institute Of Food And Agriculture	Characterization of the Effects of Common Agrochemicals on the Production and Mobility of Harmful Algal Toxins	\$499,550

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Dvorak, Joseph	Biosystems & Ag Eng	National Institute Of Food And Agriculture	Computation Skills Development for Next Generation AgriScience Professionals for Sustaining Data Driven Agriculture	\$186,205
Ford, William	Biosystems & Ag Eng	Us Department Of Agriculture	Edge of Field Modeling to Address Nutrient Management in Tile-Drained Agricultural Landscapes	\$120,201
Garcia, Mark	Entomology	National Institute Of Food And Agriculture	Drosophila Suzukii Population Collection: A Tool For Integrating Evolutionary Principles Into Pest Management	\$165,000
Goff, Ben	Plant & Soil Sciences	University Of Louisville	Kenaf: A Multi-Functional Annual Crop to Promote Bioeconomy and Soil Reclamation in Coal Producing Regions of the United States.	\$233,208
Gustafson, Alison	Dietetics and Human Nutrition	University Of North Carolina	A Hybrid Effectiveness-implementation Trial Of GO NAPSACC: A Childcare Obesity Prevention Program	\$888,488
Howe, Daniel	Veterinary Science	National Institute Of Food And Agriculture	The Apicomplexan Polyadenylation Complex as a Target for Therapeutic Intervention in Livestock	\$499,974
Jones, Kenneth	Program and Staff Development	National Institute Of Food And Agriculture	Future Extension Leaders of Tomorrow (FELT)	\$300,000
Kachroo, Pradeep	Plant Pathology	National Institute Of Food And Agriculture	Role of Light in Regulating Local and Systemic Diseases in Plants	\$95,000
Kachroo, Pradeep	Plant Pathology - RCTF	National Institute Of Food And Agriculture	Physiology And Evolution Of Galacolipids In Plants	\$150,000
Kawashima, Tomokazu	Plant & Soil Sciences	National Institute Of Food And Agriculture	An Integrated Approach to Understand Soybean Early Seed Developmental Processes for Better Yield and Climate Resilience	\$499,450
Lee, Brad	Plant & Soil Sciences	Natural Resources Conservation Service	Nutrient and Sediment Runoff Assessment in the Upper Mississippi River Embayment	\$1,540,000
Lee, Chad	Plant & Soil Sciences	Monsanto Co	SO 2017-01-B3-02	\$11,200
Lee, Chad	Plant & Soil Sciences	Monsanto Co	Monsanto SO 31	\$7,350
Matocha, christopher	Plant & Soil Sciences	National Institute Of Food And Agriculture	Dynamics of Nitrogen Transformations in a No-till Agroecosystem	\$398,743
McNear, David	Plant & Soil Sciences	National Institute Of Food And Agriculture	Rhizosphere Processes Influencing Legacy Root Residue Decomposition and its Contribution to Phosphorus Cycling	\$499,372

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Moe, Luke	Plant & Soil Sciences	National Institute Of Food And Agriculture	The Hemp Effect: what impact will incorporating hemp into Traditional Crop Rotations Have on the Provisioning of Agroecosystem Services?	\$500,000
Nagy, Peter	Plant Pathology - RCTF	National Institute Of Health	Blocking RNA Virus Replication Through the Antiviral Functions of Cellular Co-Chaperones	\$398,750
Nagy, Peter	Plant Pathology - RCTF	National Institute Of Health	The Roles of Vps34 Kinase and Phosphoinositides in Generation of Viral Replication Organelles	\$398,750
Norman, Heather	Dietetics and Human Nutrition	Ohio State University	Grilling With Dad: Preventing Childhood Obesity Through Fatherhood Education	\$322,170
Norman, Heather	Dietetics and Human Nutrition	Virginia Polytechnic Institute And State University	Scaling the National Diabetes Preven	\$238,634
Palli, Subba	Entomology	Us Department Of Agriculture	Development of New RNAi-based Control Technologies For Use In Plant Health Emergencies	\$91,999
Palli, Subba	Entomology	Apex Bait Technologies Incorporated	STTR: Use of Double-Strand RNA to Control the Lesser Meal Worm Beetle in a Target Specific Manner	\$84,175
Reis Carneiro Da Cos, Bruno	Animal and Food Sciences	VerraGlo LLC	STTR Phase I: Detection of Organic Free Radicals Using Chemically-Stimulated Luminescence from Structured Compound-Semiconductors	\$106,577
Ren, Wei	RCTF-1-Plant Sciences-Agronomy	National Institute Of Food And Agriculture	Integrating multi-scale data into an improved agroecosystem model to systematically evaluate regional dynamics of nutrients and water across the Ohio River basin	\$498,813
Shi, Jian	Biosystems & Ag Eng	Clemson University	Biological Funneling of Lignin into a Highly Valuable Carotenoid	\$143,808
Shi, Jian	Biosystems & Ag Eng	Us Department Of Agriculture	Lignin Conversion Using Marine Fungi	\$151,393
Shi, Jian	Biosystems & Ag Eng	National Institute Of Food And Agriculture	Lignin-Silicon Electrode Material from High-Lignin Content Endocarp Biomass	\$500,000
Shi, Jian	Biosystems & Ag Eng	Environmental Protection Agency	Sustainable Stadium: Food Waste Conversion and Project Demonstration	\$15,000
Shockley, Jordan	Agr Economics	University Of Wisconsin	Overcoming Inefficiencies in the Forage Harvest System for Maximization of Feed Quality and Profitability	\$147,676
Stombaugh, Timothy	Biosystems & Ag Eng	CWB Holdings Incorporated	Hemp Leaf Harvesting Demonstration	\$23,617

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Teets, Nicholas	Entomology	National Institute Of Food And Agriculture	Winter Warming Effects On Spiders As Biological Control Agents	\$95,000
Wesley, Scarlett	Merchandising,Apparel & Textil	National Institute Of Food And Agriculture	Focus on Soft Skills: Investing in the Preparedness of Diverse Undergraduate and Graduate Student Populations Through Concentrated Curriculum Opportunities in Agriculture and Human	\$149,724