

**Agriculture  
August 2017  
Proposal Submissions**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Title</b>	<b>Total Amount Requested</b>
Abbott, Albert	Forestry	National Science Foundation	Genetic Foundations Of Resistance To P. Cinnamomi In Chinese Chestnut	\$1,170,663
Adams, Amanda	Veterinary Science	BioBrew Ltd	To Determine the Effects of Probiotic Supplementation (EquiBrew) on Immune, Metabolic and Microbiome Changes in Senior Horses	\$13,351
Barton, Christopher	Forestry	National Institute Of Food And Agriculture	Appalachian Center For Ecological Restoration: Training A New Generation Of Restoration Practitioners And Evaluators	\$721,375
Bewley, Jeffrey	Animal and Food Sciences	North Carolina State University	Implementation Of Management Practices To Reduce Heat Stress And Seasonal Milk Production On SE Sairy Farms Introduction	\$22,000
Cox, John	Forestry	New Mexico Department of Fish and Game	Demographic And Genetic Status Of A Reintroduced River Otter Population In North-central New Mexico	\$49,894
Crocker, Ellen	Forestry	Animal And Plant Health Inspection Service	Citizen Science Tracking of Invasive Threats Through a Mobile App	\$94,027
Gaskill, Cynthia	Veterinary Diagnostic Laborato	Food and Drug Administration	Validation Of LC-MS/MS Analysis Of Animal Tissue And Feed Matrices For Toxicants	\$494,980
Goodin, Michael	Plant Pathology	National Science Foundation	Plant Nuclear Proteome Dynamics in Virus-Infected Cells	\$0
Grove, John	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Soil Health Benefit from Winter Wheat in the Rotation	\$10,000
Grove, John	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Late Nitrogen for Protein in Soft Red Winter Wheat	\$10,000
Hildebrand, David	Plant & Soil Sciences	Kentucky Specialty Grains Llc	Chia Improvement through Plant Breeding and Seed Production	\$2,500
Hu, Wuyang	Agr Economics	Tennessee State University	Establishing A Framework Of Principles, Criteria And Indicators For Agriculture And Rural Sustainability	\$20,000
Kachroo, Aardra	Plant Pathology	National Science Foundation	Understanding the Systemic Signaling Mechanisms that Regulate Specificity of Legume-Rhizobia Interactions	\$1,234,899
Kachroo, Pradeep	Plant Pathology	National Science Foundation	Molecular and Biochemical Analysis of Glycerophospholipids- and Lipid Transfer Proteins-Derived Signaling in Systemic Immunity	\$1,596,015

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Koo, Jayoung	Landscape Architecture	National Endowment For The Arts	Extending Creative Narratives: Engaging Communities in the Art of Placemaking	\$50,000
Mark, Tyler	Agr Economics	Louisiana State University	Production and Market Development for Grass-fed Beef	\$49,893
Murdock, Lloyd	Plant & Soil Sciences	Kentucky Corn Growers Association	Fragipan Remediation - Corn	\$17,000
Nagy, Peter	Plant Pathology - RCTF	National Science Foundation	Key Host Factors Co-Opted to Form Viral Replication Organelles	\$617,363
Ritchey, Edwin	Plant & Soil Sciences	Kentucky Small Grain Growers Association	Vertical Tillage or No-Tillage for Soft Red Winter Wheat	\$10,000
Rittschof, Clare	Entomology	Foundation For Food And Agriculture Research	Can Commodity Crop Weed Management Practices Enhance Bee Abundance Diversity And Health On Agricultural Land?	\$120,900
Springer, Matthew	Forestry	Kentucky Corn Growers Association	Quantifying White-tailed Deer Damage To Corn Yields In Kentucky	\$12,443
Vaillancourt, Lisa	Plant Pathology	National Science Foundation	A Novel Function for the Highly Conserved Signal Peptidase in the Regulation of Biotrophy in a Plant Pathogenic Fungus	\$1,563,530
Webb, Bruce	Entomology	National Science Foundation	Nudivirus Latency, Pathology and Persistence	\$630,790
Zhu, Hongyan	Plant & Soil Sciences	National Science Foundation	Elucidating Genetic and Molecular Mechanisms Underlying Symbiotic Specificity in the Medicago-Sinorhizobium Mutualism	\$987,645