

**Agriculture
December 2007
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Arthur, Mary	Forest Service	Fire in the Southern Appalachians: Fuels, Stand Structure and Oaks, Part II	Forestry	\$0
Balasuriya, Udeni	Fort Dodge Laboratories	Development and Characterization of Equine Arteritis Virus-Vectored Chimeric Viruses as Vaccines against Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	Veterinary Science	\$211,000
Brooks, Samantha	Cooperative State Research Education and Extension	Mast Cells as Therapeutic Targets for Equine Laminitis	Veterinary Science	\$0
Colliver, Donald	National Renewable Energy Laboratory	Solar Decathlon - 2009	Biosystems & Ag Eng	\$0
Goodin, Michael	National Institute of Allergy and Infectious Diseases	Rhabdovirus phosphoproteins: RNA silencing and complex formation	Plant Pathology	\$136,000
Green, Jonathan	Cooperative State Research Education and Extension	Integrated Weed Management Strategies to Increase Pasture Productivity	Plant & Soil Sciences	\$116,188
Horohov, David	Cooperative State Research Education and Extension	The Effect of Age on Equine Dendritic Cell Interactions with Rhodococcus Equi	Veterinary Science	\$0
Hunt, Arthur	Cooperative State Research Education and Extension	CPSF30, mRNA Polyadenylation, and Cellular Signaling	Plant & Soil Sciences	\$0
Jones, Kenneth	National Four H Council	Engaging Youth, Serving Community 6 (EYSC6)	Community & Leadership Devel	\$25,000
Kachroo, Aardra	Cooperative State Research Education and Extension	Functional Genomics in Soybean: A Reverse Genetics Approach to Identify Defense-Signaling Components	Plant Pathology	\$0
Kurzynske, Janet	Cooperative State Research Education and Extension	Promoting Life Skills in Middle School Youth	Nutrition and Food Science	\$0
McCulley, Rebecca	University of Wisconsin	Managing N Inputs for Improved Ecosystem Services in Cool-Season Pastures	Plant & Soil Sciences	\$0
Nagy, Peter	National Institute of Allergy and Infectious Diseases	Roles of host RNA binding proteins in virus replication	RCTF-1-Plant Sciences-PlantPath	\$306,000
Palli, Subba	National Institute of General Medical Sciences	Molecular Analysis of Juvenile Hormone Action	Entomology	\$816,000
Perry, Sharyn	Cooperative State Research Education and Extension	Mechanisms of Gene Regulation by AGL15 during Embryogenesis in Arabidopsis Thaliana and Glycine Max	RCTF-1-Plant Sciences-Agronomy	\$0

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Saghalian, Sayed	Cooperative State Research Education and Extension	Assessment of the Effects of Food Safety Regulatory Burden on the United States and India (Fresh Fruit and Vegetables)	Agr Economics	\$0
Schardl, Christopher	Cooperative State Research Education and Extension	Grass Endophyte Gene Expression in Mutualism and Pathogenesis	Plant Pathology	\$0
Tang, Guiliang	Cooperative State Research Education and Extension	Roles of microRNAs miR164 and miR167 in Tomato Fruit Development	Plant & Soil Sciences	\$0
Tang, Guiliang	Cooperative State Research Education and Extension	Silencing and Counter-Silencing: Understanding the Battle between SYNIV and the Host Plants	Plant & Soil Sciences	\$0
Vaillancourt, Lisa	Cooperative State Research Education and Extension	The Role of Signal Peptidase in the Pathogenic Association of the Anthracnose Stalk Rot Fungus Colletotrichum Graminicola with Maize	Plant Pathology	\$399,193
Zhu, Hongyan	Cooperative State Research Education and Extension	Characterization of RCT-1 Mediated Resistance Pathways in Medicago	Plant & Soil Sciences	\$0