

**Agriculture
April 2009
Proposal Submissions**

Principal Investigator	Sponsor	Title	Department	Total Amount Requested
Archbold, Douglas	Cooperative State Research Education and Extension	Novel Metabolic Role of SORBITOL DEHYDROGENASE in Arabidopsis, Rice and Apple	Horticulture	\$0
Archbold, Douglas	Cornell University	Coordinate Wine Grape Variety Evaluations in the Eastern USA	Horticulture	\$0
Balasuriya, Udeni	Morris Animal Foundation	Genetic Characterization of Neuropathogenic EHV-1 Field Isolates and Molecular Epidemiology of EHV-1	Veterinary Science	\$135,130
Balasuriya, Ricardo	Department of Agriculture	Molecular Characterization and Identification of Virulence Determinants of Neuropathogenic Equine Herpesvirus-1 Strains	Veterinary Science	\$348,774
Bessin, Ricardo	University of Florida	Southern region Program to Clear Pest Control Agents for Minor Use	Entomology	\$10,700
Chambers, Thomas	Department of Agriculture	Innate Immunity to Equine Herpesvirus-1 in the Horse	Veterinary Science	\$374,445
Coolong, Timothy	Department of Agriculture	Soil Moisture Based Automated and Pulsed Drip Irrigation Systems for Fruit and Vegetable Producers	Horticulture	\$848,489
Davis, Alison	Health Resources and Services Administration	Rural Health Leadership: What is the Optimal Leadership Strategy	Agr Economics	\$0
DeBolt, Seth	Cooperative State Research Education and Extension	Biosynthesis and Role of Steryl Glycosides in Plants	Horticulture	\$0
Durham, Richard	Department of Agriculture	Landscape SeleX - An eXtension-based Public/Industry Interface to Promote Sustainable Residential Landscapes	Horticulture	\$50,000
Gaetke, Lisa	National Institute of Health	Community Response to Environmental Contaminants through Nutrition	Nutrition and Food Science	\$0
Gnatuk, Carole	National Institute of Health	ARRA: Raising Kentuckians: A Nurturing Program for Families and Communities	Family & Consumer Sciences	\$0
Hanley, Carol	National Institute of Health	ARRA:Community Based Environmental Health Alliance for Middle School Teachers	Tracy Farmer Cntr for the Environment	\$924,649
Hansen, Gary	Virginia Commonwealth University	Letter of Intent: Stronger Rural Teen Pregnancy Coalitions with Technology, Youth and Extension	Community & Leadership Devel	\$0
Harwood, James	Department of Agriculture	Tracking the Role of Prey Biodiversity on Predation by a Community of Generalist Predators	Entomology	\$0

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Hennig, Bernhard	National Institute of Environmental Health Sciences		Animal and Food Sciences	\$0
Hosier, Amy	National Institute of Health	ARRA: Memory Banking: An Intervention for Rural Caregiving	Family Studies	\$0
Houtz, Robert	Cooperative State Research Education and Extension	Chloroplast-Localized Co- and Post-Translational Processing Enzymes: Essential Determinants of Protein Maturation	Horticulture	\$0
Ingram, Dewayne	University of Illinois	Impact and Social Acceptance of Selected Sustainable Practices in Ornamental Crop Production Systems	Horticulture	\$283,602
Johnson, Douglas	KY Soybean Promotion Board	Migration patterns for soybean aphid as indexed by capture in an aphid suction trap	Entomology	\$2,404
MacLeod, James	National Institute of Health	ARRA: Computational Methods for mRNA Transcriptome Characterization from RNA-Seq Data	Veterinary Science	\$0
Mimbs, Cheryl	KY Department of Education	Teacher Educators' Professional Development Grant - FY10	Family Studies	\$10,000
Nagy, Peter	National Science Foundation	REU: The Role of a Host Ion Pump in RNA Virus Recombination	RCTF-1-Plant Sciences-PlantPath	\$0
Obyrcki, John	Slow the Spread Foundation	Monitor Gypsy Moth Populations for Slow the Spread Program	Entomology	\$50,000
Pfeiffer, Todd	Department of Agriculture	Establishing the Uniqueness of Two Glycine Soja Yield QTL Alleles in the Currently Utilized Glycine Max Germplasm	Plant & Soil Sciences	\$0
Rasbery, Jeanne	Cooperative State Research Education and Extension	Elucidation of Plant Sesquiterpene Hydroxylase Specificity	Plant & Soil Sciences	\$0
Roseman, Mary	National Institute of Health	ARRA: A Study of the Efficacy of Online Weight Loss-Oriented Social Networking Websites	Nutrition and Food Science	\$0
Schardl, Christopher	Cooperative State Research Education and Extension	Genomics of the Epichloe typhina epiphytotic on orchard grass in Oregon	Plant Pathology	\$400,000
Shearer, Scott	Auburn University	Letter of Intent: Demonstration of Innovative Application Technologies for Improved On-Farm Conservation and Environmental Stewardship	Biosystems & Ag Eng	\$0
Simmons, Leigh Ann	National Institute of Health	ARRA: Social Networks, Depression and Help-Seeking Among Rural Women	Family Studies	\$0
Simmons, Leigh Ann	National Institute of Health	ARRA: Multimedia Depression Awareness Campaign for Rural Appalachian Youth	Family Studies	\$0

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Simmons, Leigh Ann	University of Nebraska	Letter of Intent: The Effects of Maternal Stress Response and Parent-Child Interactions of Affective Problems in Rural Low-Income Preschool Children of Depressed Mothers	Family Studies	\$0
Slack, Charles	Monsanto Co	Service Order No. 6 Dicamba-Tolerant Soybean: Academic Study	Plant & Soil Sciences	\$0
Slack, Charles	Pioneer Hi Bred International Inc	GAT Corn/Soy - PRE No-Till	Plant & Soil Sciences	\$0
Slack, Charles	Pioneer Hi Bred International Inc	Optimum® GAT® Corn University	Plant & Soil Sciences	\$0
Stefaniak, Thomas	Department of Agriculture	Using Altered Recombination Frequency in Maize (Zea mays L)	Plant & Soil Sciences	\$0
Tang, Guiliang		Letter of Intent: Target Recognition Principles for Drosophila MicroRNAs	Plant & Soil Sciences	\$0
Timoney, John	Department of Agriculture	Identification of Surface and Secreted Proteins of Streptococcus Equi with Potential in Vaccine Development	Veterinary Science	\$354,192
Urschel, Kristine	Morris Animal Foundation	Protein metabolism in old horses: effects of inflammation and glucocorticoid excess	Animal and Food Sciences	\$108,000
Vincelli, Paul	University of Florida	Southern Plant Diagnostic Network	Plant Pathology	\$0
Webber, Kelly	National Institute of Health	A Comparison of Two Self-Directed Behavioral Weight Loss Treatments for Adults in Appalachian Kentucky	Nutrition and Food Science	\$0
Wendroth, Ole	Cooperative State Research Education and Extension	Environmental Spill or Natural Protection System? Water, Nitrogen, and Biomass Dynamics of Hummocks Grazed by Livestock	Plant & Soil Sciences	\$0
Werner-Wilson, Ronald	National Institute of Health	ARRA: A Comparative Study of the Effectiveness of Health Literacy Interventions on Parents of Young Children in Low and High Socio Economic (SES) Communities in Kentucky	Family Studies	\$0
Werner-Wilson, Ronald	National Institute of Health	ARRA: Testing the Impact of Community Based Messages and Relational Enhancement Workshops on Attitudes toward Intimate Partner Violence through an Experimental Design	Family Studies	\$0
Werner-Wilson, Ronald	National Institute of Health	ARRA: Comparing Influences on Adolescent Electrical Brain Activity Associated with Emotions in Middle School and High School Students	Family Studies	\$0
White, Jennifer	Department of Agriculture	Are Facultative Bacterial Symbionts Lost During Introduction? A Survey of Symbionts in Exotic Versus Native Ranges of Introduced Arthropods	Entomology	\$0
White, Jennifer	University of Minnesota	Letter of Intent: Ecological Ramifications of Defensive Symbiosis in an Invasive Aphid Pest	Entomology	\$0

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Wood, Craig	University of Nebraska	New Technologies for Agriculture Extension (NTAE)	e-Extension	\$348,212
Woods, Timothy	Ohio State University	Letter of Intent: Nutrition Merchandising Strategies to Build Local Markets	Agr Economics	\$0
Woods, Timothy	University of Illinois	Letter of Intent: Local and Regional Foods: Increasing Supplies and Meeting New Demands for Fruits and Vegetables in the Midwestern United States	Agr Economics	\$0
Yuan, Ling	Department of Agriculture	Engineering Lower Inhibitor Affinities of a Key Bifunctional Glycoside Hydrolase	Plant & Soil Sciences	\$0
Zhu, Hongyan	Department of Agriculture	Defense versus Symbiosis: Host Genetic Control of Nodulation Specificity in Soybean	Plant & Soil Sciences	\$0