

**Agriculture
April 2011
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Princeton, KY Field Yield and Quality Evaluation of Burley RNAi Nicotine Demethylase Lines and Hybrids	\$20,580
Bailey, William	Plant & Soil Sciences	Altria Corporate Services Inc	Princeton, KY Field Yield and Quality Evaluation of Pale Yellow Dark Tobacco Lines	\$13,900
Bertsch, Paul	Plant & Soil Sciences	University of Chicago	Synchrotron X-ray Microprobe and Microspectroscopy Research in Low Temperature Geochemistry	\$148,814
Bessin, Ricardo	Entomology	Syngenta Crop Protection	Evaluation of Novel Insecticide Seed Treatments for Wireworm and White Grub Control in Corn	\$30,000
Bewley, Jeffrey	Animal and Food Sciences	Purdue University	Precision Dairy Farming™ to Monitor Periparturient Cow Health and Subsequent Impact on Reproduction	\$210,334
Bewley, Jeffrey	Animal and Food Sciences	Mississippi State University	Precision Feeding Cattle to Reduce Environmental Impact and Improve Production Efficiency	\$90,704
Boatright, William	Animal and Food Sciences	National Institute of Food and Agriculture	Reactive Oxygen Species Generated from High Protein Drink Mixes	\$473,017
Harmon, David	Animal and Food Sciences	National Institute of Food and Agriculture	Mechanisms of small intestinal glucose transport and mechanisms of enhancement in cattle	\$499,924
Hildebrand, David	Plant & Soil Sciences	Ashland Inc	Renewable Lubricant Production	\$10,000
Horohov, David	Veterinary Science	National Institute of Food and Agriculture	Identification of the mechanisms of protective immunity and molecular pathogenesis of Lawsonia intracellularis in the horse	\$490,817
Jackson, Vanessa	Merchandising, Apparel & Textiles	Mississippi State University	Enhancing Marketing Practices for Rural Retailers through Technology Assessment and Teaching	\$25,000
Jacobsen, Krista	Horticulture	KY Council on Postsecondary Education	KY EPSCoR: Conference Award 4th National Sustainable Agriculture Education Association	\$2,665
Matthews, James	Animal and Food Sciences	Alltech Biotechnology Inc	Student Sponsorship Agreement- Zhi Zhang	\$25,000
Matthews, James	Animal and Food Sciences	National Institute of Food and Agriculture	Regulation of EAAC1 Controllers to Enable Efficient Nutrient Metabolism	\$148,589
Meyer, Alphonse	Agr Economics	University of Georgia	Supporting and Enhancing the Role of SARE in Extension and Other Land Grant University Programs in the South	\$47,239

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Meyer, Alphonse	Agr Economics	University of Georgia	SARE Professional Development Program Model State Plan	\$30,000
Miller, Robert	Plant & Soil Sciences	Altria Corporate Services Inc	Evaluation of Altria Burley Breeding Lines	\$11,120
Mundell, Richard	Ky Tobacco Research & Dev Center	Naprogenix	Field Production Plan to Grow 1 Acre of Solidago nemoralis (Grey Goldenrod) for Naprogenix, Inc.	\$5,274
Murray, Deborah	Family & Consumer Sciences	Center for Disease Control and Prevention	Magoffin CAN!: A Community-Centered Approach to Reducing Obesity and Related Risk Factors	\$6,275,000
Silvia, William	Animal and Food Sciences	National Institute of Food and Agriculture	Using Heterospecific Embryo Transfer (HET) to study conceptus:uterine interactions in Large Bovids	\$167,003
Suman, Surendranath	Animal and Food Sciences	National Institute of Food and Agriculture	Proteome profile of economically important muscles in beef hindquarters	\$499,998
Suman, Surendranath	Animal and Food Sciences	Mississippi State University	Characterization of protein expression in pale, soft, and exudative broiler meat	\$50,000
Suman, Surendranath	Animal and Food Sciences	University of Connecticut	Assessing the Role of Mitochondrial Proteome in Beef Color Stability	\$150,000
Troedsson, Mats	Veterinary Science	KY Thoroughbred Association	Equine Placentitis	\$111,612
Urschel, Kristine	Animal and Food Sciences	National Institute of Food and Agriculture	Threonine nutrition in growing and mature horses: effect of diet composition on threonine requirements	\$491,245
Wells, Larry	Biosystems & Ag Eng	Association Nationale Interprofessionnelle Et Technique Du Tabac	Implementation and Assessment of Mechanical Burley Tobacco Harvesting Systems in France	\$27,522