

**Agriculture
December 2012
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Crofcheck, Czarena	Biosystems & Ag Eng	Eastern KY University	Low Cost Biomass Saccharification Process for Producing Biofuels	\$27,806
Dvorak, Joseph	Biosystems & Ag Eng	National Science Foundation	NRI: Small: Enabling robot and human worker collaboration in agricultural fields	\$653,388
McNeill, Sam	Biosystems & Ag Eng	Oklahoma State University	Global Hunger and Food Security Research Strategy: Climate Resilience, Nutrition and Policy	\$51,323
Montross, Michael	Biosystems & Ag Eng	Case New Holland America LLC	Evaluation of pressure in crop processing systems	\$35,000
Walker, Stephen	Biosystems & Ag Eng	National Institute of Food and Agriculture	Rapid detection of Salmonella on whole white and black pepper using hyperspectral imaging.	\$297,379
Tsyusko, Olga	Plant & Soil Sciences	Environmental Protection Agency	Adverse outcomes of developmental neurotoxicants through disruption of insulin signaling	\$799,999
D'Angelo, Elisa	RCTF-1-Plant Sciences-Agronomy	KY Energy and Environment Cabinet	Remediation of coal slurry impoundment liquids using a multi-stage constructed treatment wetland system	\$0
Amaral-Phillips, Conna	Animal and Food Sciences	KY Beef Network	Graze 300- Master Grazer Educational Program	\$151,699
Bewley, Jeffrey	Animal and Food Sciences	University of Georgia	Clinical Mastitis Incidence in Compost Bedded Pack Barns as Compared to Freestall Barns	\$13,750
Bewley, Jeffrey	Animal and Food Sciences	National Institute of Food and Agriculture	Monitoring periparturient dairy cow health and reproductive status through behavioral and physiological technology observations	\$499,845
Bewley, Jeffrey	Animal and Food Sciences	University of Tennessee	Impact of prudent use of antibiotics on dairy farms on antimicrobial resistance	\$68,956
Bewley, Jeffrey	Animal and Food Sciences	KY Academy of Science Foundation	Assessment of Heat Stress in Kentucky Dairy Cows	\$3,000
Lehmkuhler, Jeffrey	Animal and Food Sciences	KY Beef Network	Applied Master Cattleman	\$23,000
Dobson, Stephen	Entomology	MosquitoMate Incorporated	Mass production of Aedes albopictus males for Experimental Use	\$11,458
Palli, Subba	Entomology	National Institute of General Medical Sciences	Molecular Analysis of Juvenile Hormone Action	\$834,000
Cox, John	Forestry	Rocky Mountain Elk Foundation	Cow Elk Survival and Mortality Study	\$17,879
Nah, Seungahn	Community & Leadership Devel	Environmental Protection Agency	Modeling a Community-Based Participatory Campaign Communication: Environmental Education and Civic Engagement	\$216,000
Nielsen, Martin	Veterinary Science	Pfizer Inc	Objective evaluation of deworming regimens in horses - growth rates, disease incidence and financial aspects	\$126,941
Easter, Elizabeth	Merchandising, Apparel & Textiles	Cotton Incorporated	Cotton Incorporated Laundry Study 2013	\$30,000
Easter, Elizabeth	Merchandising, Apparel & Textiles	Association of Linen Management	Quality Control Lab for NAILM	\$28,149