

**Agriculture
December 2011
Proposal Submissions**

| Principal Investigator | Department | Sponsor | Title | Total Amount Requested |
|-------------------------------|-----------------------------------|---|---|-------------------------------|
| Ashurst, Kerri | Family & Consumer Sciences | Purdue University | Family Readiness Program Evaluation Development | \$414,592 |
| Ashurst, Kerri | Family & Consumer Sciences | Kansas State University | 2012 OMK Camp Initiative/OSD Supplement | \$50,000 |
| Ball, Barry | Veterinary Science | American Quarter Horse Association | Developing an equine ELISA assay to evaluate placental health in broodmares. | \$20,000 |
| Ball, Barry | Veterinary Science | American Quarter Horse Association | Use of a new GnRH antagonist (Acyline) to block reproductive behavior in colts. | \$55,322 |
| Batte, Marvin | Agr Economics | Ohio State University | Development of Novel Agronomic Management Systems for Enhancing Crop Productivity, Environmental Sustainability and Climate Change Mitigation | \$61,150 |
| Chambers, Thomas | Veterinary Science | American Quarter Horse Association | Influenza, secondary bacterial infection, and Interleukin-23. | \$40,262 |
| Colliver, Donald | Biosystems & Ag Eng | Department of Energy | 2013 Solar Decathlon and Energy Efficiency and Renewable Energy Showcase Event | \$0 |
| Coolong, Timothy | Horticulture | KY Department of Agriculture | The Vegetable Academy: A Short Course to Advance Vegetable Production in Kentucky | \$13,362 |
| Cox, John | Forestry | Rocky Mountain Elk Foundation | Kentucky Bull Elk Study: Movement and Mortality | \$63,000 |
| Coyne, Mark | Plant & Soil Sciences | University of Florida | Coyne - Organic placement strategies to mitigate compacted subsurface soils while enhancing | \$131,422 |
| Easter, Elizabeth | Merchandising, Apparel & Textiles | Cotton Incorporated | Cotton Inc Laundry Study | \$65,574 |
| Grove, John | Plant & Soil Sciences | West Virginia University | Mitigating Immediate Losses In Ecosystem Services From Land Use Change: Establishment Of Miscanthus Sinensis On Marginal Grassland | \$149,314 |
| Hennig, Bernhard | Animal and Food Sciences | National Institute of Environmental Health Sciences | Conference Supplement, Superfund | \$49,500 |
| Horohov, David | Veterinary Science | American Quarter Horse Association | The effect of age and abrupt or gradual weaning on immune function in mares and foals. | \$70,426 |
| Lensing, Janet | Entomology | Animal and Plant Health Inspection Service | Cooperative Agricultural Pest Surveys-Infrastructure | \$110,043 |
| MacLeod, James | Veterinary Science | National Institute of Health | Fellowship for Mathew Hestand: Computational Analysis of RNA-seq Reads to Decipher the mRNA Transcriptome | \$159,102 |

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| McCulley, Rebecca | Plant & Soil Sciences | University of Arkansas | CRPaCe: Climate-Resilient Pastures in the Carbon Economy | \$259,810 |
| Moe, Luke | Plant & Soil Sciences | Office of Naval Research | Expanding the explosives biosensing toolkit: identifying genetic circuits responsive to explosives through functional metagenomics | \$510,000 |
| Ritchey, Edwin | Plant & Soil Sciences | University of Florida | Organic placement strategies to mitigate compacted subsurface soils while enhancing | \$67,112 |
| Schieffer, John | Agr Economics | Mississippi State University | Feasibility of Irrigation as an Adaptation Strategy for Mississippi Delta Crop Producers | \$48,819 |
| Stainback, George | Forestry | Yale University | Decision Support Tools to Strengthen the Role of Non-Industrial Private Forests and Landowners towards Climate Change Adaptation and Mitigation | \$100,000 |
| Taraba, Joseph | Biosystems & Ag Eng | National Institute of Food and Agriculture | Mitigating GHG gases from confined animal facilities using engineered gas phase biofilters | \$749,999 |
| Ward, Nicole | Plant Pathology | University of Tennessee | Mobile technology, embedded network sensing and improved predictive models to increase sustainability in nursery crop systems. | \$373,920 |
| Yuan, Ling | Ky Tobacco Research & Dev Center | National Institute of Food and Agriculture | Digest From Within: Improving Bio-Feedstock via Engineering Multifunctional Lignocellulolytic Enzymes using Termite and Woodroach Hydrolases | \$150,000 |