

**Agriculture
November 2007
Proposal Submissions**

| Principal Investigator | Sponsor | Title | Department | Total Amount Requested |
|-------------------------------|--|--|--------------------------|-------------------------------|
| Balasuriya, Udeni | American Quarter Horse Association | Development of a Vaccine and Companion Diagnostic Test to Differentiate Vaccinated Horses from those Naturally Infected with Equine Arteritis Virus | Veterinary Science | \$69,111 |
| Chambers, Thomas | American Quarter Horse Association | Influenza Virus Pathogenesis and Innate Immunity in the Horse | Veterinary Science | \$72,094 |
| Coolong, Timothy | KY State University | Reducing Energy Use and Improving Soil Health with Alternatives to Plastic Mulch for Organic Production Systems | Horticulture | \$14,600 |
| Coolong, Timothy | University of Georgia | Sweet potatoes: A Profitable Rotation Crop for Small Farms in Rural Eastern Kentucky | Horticulture | \$14,700 |
| Goodin, Michael | National Institute of Health | Rhabdovirus Phosphoproteins: RNA Silencing and Complex Formation | Plant Pathology | \$0 |
| Johnson, Douglas | Pennsylvania State University | Development of a Multi-State Insect Trapping Network for Issuing Alerts and Predicting Infestations | Entomology | \$0 |
| Kachroo, Aardra | | Detection, Quantification and Identification of Carbohydrates and Phosphorylated Sugars | Plant Pathology | \$40,000 |
| Kim, Hyungsoo | National Institute of Health | Comorbidity and Retirement of Older Workers | Family Studies | \$0 |
| Lee, Chad | Iowa State University | Agronomic Limitations of Soybean Yield and Seed Quality in U.S. | Plant & Soil Sciences | \$74,128 |
| Lucas, Patricia | Cooperative State Research Education and Extension | Development of a Regional Multi-State Insect Trapping Network to Aid in Issuing Scouting Alerts & Predicting Potential Field Crop Insect Damage in the Heartland | Entomology | \$76,668 |
| MacLeod, James | Cornell University | Assessment of Neutralizing Anti-Erythropoietin Antibodies in Cats Treated with Recombinant Feline Erythropoietin | Veterinary Science | \$0 |
| Palli, Subba | National Institute of Health | Molecular Analysis of Juvenile Hormone Action | Entomology | \$0 |
| Rentfrow, Gregg | University of Illinois | Building Meat Supply Chains: Analyzing Processors and Meat Managers | Animal and Food Sciences | \$9,800 |
| Seebold, Kenneth | North Carolina State University | Expanding ipmPIPE for Cucurbit Downy Mildew Forecasting | Plant Pathology | \$0 |
| Wagner, George | Procter & Gamble Company | Production of Abietic Acid and Other Potentially-Useful, Related Diterpenes in Tobacco Trichomes | Plant & Soil Sciences | \$811,434 |
| Woods, Timothy | Tapps Dairy and Creamery | Feasibility Study for Tapps Dairy and Creamery | Agr Economics | \$28,150 |