

**Agriculture  
2012  
Proposal Submissions**

| <b>Principal Investigator</b> | <b>Department</b>            | <b>Sponsor</b>                              | <b>Title</b>   | <b>Total Amount Requested</b> |
|-------------------------------|------------------------------|---|--|-------------------------------|
| Davis, Alison                 | Agr Economics                | Appalachian Regional Commission             | An Evaluation of ARC Health Projects in Appalachia   | \$195,124                     |
| Davis, Alison                 | Agr Economics                | Appalachian Regional Commission             | Local Economic Development in Bath County  | \$24,994                      |
| Woods, Timothy                | Agr Economics                | Agricultural Marketing Service              | National Survey of CSAs: Emerging Marketing and Business Strategies  | \$26,965                      |
| Agouridis, Carmen             | Biosystems & Ag Eng          | KY Department of Fish and Wildlife          | Stream Restoration in Guy Cove II, Laurel Fork Fees in Lieu of Stream Restoration Project  | \$4,941                       |
| Higgins, Stephen              | Biosystems & Ag Eng          | Natural Resources Conservation Service      | Conservation Practice Code 590 Nutrient Management Training  | \$27,500                      |
| Nokes, Sue                    | Biosystems & Ag Eng          | National Institute of Food and Agriculture  | On-Farm Biomass Processing: Towards an Integrated High Solids Transporting/Storing/Processing System                                       | \$6,932,786                   |
| Bewley, Jeffrey               | Animal and Food Sciences     | Seikowave Incorporated                      | SBIR: Automation of Dairy Cow Body Condition Scoring   | \$32,360                      |
| Bewley, Jeffrey               | Animal and Food Sciences     | DVM Systems LLC                             | SBIR: A novel approach to early mastitis detection through automated temperature and electrical conductivity monitoring                    | \$32,732                      |
| Dodd, Luke                    | Forestry                     | Forest Service                              | A long term evaluation of the effects of fire and white-nose syndrome on forest health at Mammoth Cave National Park                       | \$138,480                     |
| Fackler, Francis              | Forestry                     | KY Energy and Environment Cabinet           | Regional Secondary Wood Using Industry Online and Hardcopy Directory   | \$45,140                      |
| Dyk, Patricia                 | Community & Leadership Devel | University of Massachusetts                 | Dissemination of Core Health Messages: Using Community-Based Participatory Research to Strengthen the Health of rural, Low-Income Families | \$1,179                       |
| Adams, Amanda                 | Veterinary Science           | Grayson Jockey Club Research Foundation Inc | Immune status and respiratory disease in weanlings.  | \$97,682                      |
| Artiushin, Sergey             | Veterinary Science           | Grayson Jockey Club Research Foundation Inc | Efficacy of Tcd A, B binding domains based vaccine.  | \$60,706                      |
| Ball, Barry                   | Veterinary Science           | Grayson Jockey Club Research Foundation Inc | Anti-Mullerian hormone, follicular reserve and fertility in mares.   | \$116,660                     |

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|                 |                    |   |   |           |
|-----------------|--------------------|---|---|-----------|
| Horohov, David  | Veterinary Science | Grayson Jockey Club Research Foundation Inc | Predicting susceptibility to R. equi pneumonia.                 | \$120,193 |
| McDowell, Karen | Veterinary Science | Grayson Jockey Club Research Foundation Inc | Fescue toxicosis: How much ergovaline does it take?             | \$19,060  |
| Nielsen, Martin | Veterinary Science | Grayson Jockey Club Research Foundation Inc | The interaction between anthelmintic treatment and vaccination. | \$60,466  |
| Timoney, John   | Veterinary Science | Grayson Jockey Club Research Foundation Inc | Nanoparticles as antigen vehicles for S. equi proteins.         | \$60,759  |
| Troedsson, Mats | Veterinary Science | Grayson Jockey Club Research Foundation Inc | Novel diagnostic tools to detect placentitis.                   | \$129,568 |