

**Agriculture  
December 2013  
Awarded**

| PI Name                   | Account #  | Department                  | Sponsor                                    | Title  | Federal Competitive | Amount    | Start      | End        |
|---------------------------|------------|-----------------------------|--|--|---------------------|-----------|------------|------------|
| Adams, Amanda             | 3048111069 | Veterinary Science          | Zoetis LLC                                 | Geriatric horses (>20 yrs): Do they respond immunologically different to anthelmintic treatment when compared to younger adult horses (5-15 yrs) |                     | \$24,569  | 11/1/2013  | 5/31/2014  |
| Adams, Amanda             | 3048111103 | Veterinary Science          | Morris Animal Foundation                   | Evaluating seasonal influences on hormone responses to a diagnostic test advocated for early diagnosis of equine Cushing's disease.              |                     | \$95,167  | 12/1/2013  | 11/30/2015 |
| Barnes, Thomas            | 3048111109 | Forestry                    | KY Heritage Land Conservation Fund         | Heritage Land Conservation Fund Book   |                     | \$30,000  | 10/15/2013 | 6/30/2016  |
| Crofcheck, Czarena        | 3048111114 | Biosystems & Ag Eng         | Sinopec Petroleum Engineering Corporation  | Screening And Evaluation Of Oilfield Sewage -proof Microalgae  |                     | \$50,000  | 11/11/2013 | 5/31/2014  |
| Davis, Alison             | 3048111143 | Agr Economics               | New York Community Trust                   | CEDIK Scholarship Program for Appalachian Health Care Career Students  |                     | \$138,000 | 12/10/2013 | 12/31/2015 |
| Harwood, James            | 3048111009 | Entomology                  | Washington State University                | Biodiversity and the development of natural pest control   |                     | \$4,000   | 9/1/2013   | 8/31/2016  |
| Higdon, Andrea            | 3048111073 | Agr Programs                | National Institute of Food and Agriculture | Improving Whole Community Animal and Agriculture Preparedness  | Yes                 | \$76,016  | 9/1/2013   | 8/31/2014  |
| Hildebrand, David         | 3048111127 | Plant & Soil Sciences       | Kentucky Small Grain Growers Association   | Establishing Salvia Hispanica as a Sustainable Crop for Kentucky Farmers   |                     | \$19,842  | 9/1/2013   | 12/31/2014 |
| Karathanasis, Anastasios  | 3049025362 | Plant & Soil Sciences       | Kentucky Small Grain Growers Association   | Small Grain Fragipan Remediation   |                     | \$5,000   | 9/1/2013   | 12/31/2014 |
| MacLeod, James            | 3048111102 | Veterinary Science          | Morris Animal Foundation                   | Unique patterns of gene expression in articular chondrocytes: important insight for joint surface lesion repair and cell-based therapies         |                     | \$100,000 | 12/1/2013  | 11/30/2015 |
| Martin, James             | 3048111085 | Plant & Soil Sciences       | Purdue University                          | Development of Effective Educational Programs to Manage and Mitigate Herbicide Resistant Weeds   |                     | \$30,000  | 10/1/2013  | 9/30/2014  |
| Palli, Subba              | 3048110661 | Entomology                  | National Science Foundation                | Center for Arthropod Management Technologies   | Yes                 | \$29,106  | 8/1/2013   | 7/31/2014  |
| Purschwitz, Mark          | 3048111131 | Biosystems & Ag Eng         | Pennsylvania State University              | Safety in Agriculture for Youth (SAY)  | Yes                 | \$25,000  | 9/1/2013   | 8/31/2014  |
| Webb, Bruce               | 3048111122 | Entomology                  | ParaTechs Corp                             | SBIR: Biological methods for enhancing wound healing properties.   |                     | \$52,239  | 9/30/2013  | 9/19/2014  |
| Yuan, Ling                | 3048111120 | Ky Tobacco Research & Dev C | British American Tobacco                   | Production of Chemicals in Tobacco Leaves  |                     | \$455,315 | 12/17/2013 | 12/16/2016 |
| Zhu, Hongyan              | 3048111066 | Plant & Soil Sciences       | National Institute of Food and Agriculture | Host genetic control of strain-specific nitrogen fixation in the legume-rhizobial symbiosis  | Yes                 | \$500,000 | 12/1/2013  | 11/30/2016 |
| Total Federal Competitive |            |                             |  |  |                     | \$630,122 |            |            |

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|             |  |  |  |  |  |  |             |  |  |
|-------------|--|--|--|--|--|--|-------------|--|--|
| Total Value |  |  |  |  |  |  | \$1,634,254 |  |  |
|-------------|--|--|--|--|--|--|-------------|--|--|