

**Agriculture
October 2007
Awarded**

PI Name	Department	Sponsor	Title	Federal Competitive	Amount	Start	End
Arthur, Mary	Forestry	Institute of Ecosystems Studies	Long-term Ecological Research at Hubbard Brook Experimental Forest		\$34,789	1/15/2007	12/31/2007
Barton, Christopher	Forestry	KY Office of Energy Policy	R&D Seed Grant: Techniques for Establishing Woody Biomass Plantations on Surface Mines as Feedstocks for energy Production		\$174,166	10/1/2007	6/30/2008
Bush, Lowell	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Toxin accumulation and metabolic relationships in tall fescue		\$22,646	7/1/2007	12/31/2008
Bush, Lowell	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - In vivo and in vitro animal response to tall fescue endophyte toxins		\$28,782	7/1/2007	12/31/2008
Cox, Nancy	Assoc Dean Research/Director AES	Agricultural Research Service	Acquisition of Goods and Services 2007-2008 for Ag North		\$39,500	10/1/2007	9/30/2008
Coyne, Mark	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Forage Systems fir Sustainable Agriculture Production in the Mid-South		\$132,931	7/1/2007	12/31/2008
Ely, Conald	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - To Identify the Degradation Routes, Excretory Products, and Tissue Damage When Ergovaline is Consumed by Sheep		\$21,574	7/1/2007	12/31/2008
Fitzgerald, Barry	Veterinary Science	Agricultural Research Service	ARS/SCA Cooperative Agreement - An Investigation of Inflammatory Cytokine in Mares		\$49,982	7/1/2007	12/31/2008
Gates, Richard	Biosystems & Ag Eng	Agricultural Research Service	Development of Line-Scan Image Algorithms for Inspection of Poultry Carcasses		\$10,000	9/27/2007	8/31/2008
Grabau, Larry	Plant & Soil Sciences	KY Small Grain Promotion Council	Managing No-till Wheat to Optimize Harvest Index and Grain Yield		\$2,400	9/1/2007	12/31/2008
Henning, Jimmy	Agr Programs	University of Louisville	Rural Health Bioterrorism and Emergency Preparedness: SCOPE A	Yes	\$110,487	9/1/2007	8/31/2008
Karathanasis, Anastasios	Plant & Soil Sciences	KY Health Services Cabinet	Soil Morphology Training for On-site Sewage Disposal Systems		\$45,000	7/1/2007	6/30/2008
Lacki, Michael	Forestry	KY Department of Fish and Wildlife	Status, Distribution, and Reproductive Characteristics of River Otters in Kentucky		\$50,715	7/1/2007	6/30/2008
Lawrence, Laurie	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Effect of Endophyte Infected Tall Fescue on Skeletal Development in Growing Horses		\$49,739	7/1/2007	12/31/2008
Matthews, James	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Determine Whether Ergot Alkaloids Affect VGLUT Activity of Neuronal Synaptic Vesicles of Steers		\$10,375	7/1/2007	12/31/2008
Matthews, James	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Comparison of Genomic and Proteomic Expression Profiles of Steers Grazing High vs Low Endophyte Forages		\$88,212	7/1/2007	12/31/2008
Matthews, James	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Determine Whether Ergot Alkaloids Affect VGLUT Activity of Neuronal Synaptic Vesicles of Steers		\$11,324	7/1/2007	12/31/2008

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McCulley, Rebecca	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Endophyte Effects on Soil Fertility and Microbial Communities		\$16,667	7/1/2007	12/31/2008
McCulley, Rebecca	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Effect of Forage Species and Diversity on Pasture Ecosystem Function		\$74,274	7/1/2007	12/31/2008
McDowell, Karen	Veterinary Science	Agricultural Research Service	ARS/SCA Cooperative Agreement - Consumption of Endophyte Infected Tall Fescue Seed by Mares causes Vasoconstriction That Can be Measured by Color-Doppler		\$52,830	7/1/2007	12/31/2008
Mimbs, Cheryl	Family Studies	KY Department for Technical Education	Professional Development for Family and Consumer Sciences Teacher Educators		\$5,500	9/15/2007	6/30/2008
Montross, Michael	Biosystems & Ag Eng	KY Office of Energy Policy	R&D Seed Grant: Feasibility of Ethanol Production from Sweet Sorghum in Kentucky		\$111,664	10/1/2007	6/30/2008
Overhults, Couglas	Biosystems & Ag Eng	KY Poultry Federation	Poultry House Evaluation Service		\$395,566	10/1/2007	12/31/2009
Phillips, Timothy	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Evaluating animal preference among a diverse array of tall fescue populations, and breeding tall fescue for greater leaf		\$32,455	7/1/2007	12/31/2008
Schardl, Christopher	Plant Pathology	Agricultural Research Service	ARS/SCA Cooperative Agreement - Plant and Endophyte Gene Expression and Metabolism in Response to Stress and Parasitism		\$117,662	7/1/2007	12/31/2008
Smith, Samuel	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Evaluating Horse Pastures in Central Kentucky		\$120,029	7/1/2007	12/31/2008
Van Doren, Saratha	Plant & Soil Sciences	Risk Management Agency	Yield Loss Prediction Tool for Asian Soybean Rust - Continuation for Model Validation	Yes	\$45,650	9/10/2007	1/31/2009
Van Doren, Saratha	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Identification of Critical Legume Flowering-Pathway Genes Using an E Gene Near-Isogenic Line Model System		\$65,000	7/1/2007	12/31/2008
Vanzant, Eric	Animal and Food Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Grazing Strategies to optimize Production in Endophyte-Infected Tall Fescue Pasture Systems		\$43,450	7/1/2007	12/31/2008
Vincelli, Paul	Plant Pathology	University of Florida	Southern Plant Diagnostic Network, IPM PIPE 2007, KY Component		\$13,000	7/1/2007	9/13/2008
Vincelli, Paul	Plant Pathology	University of Florida	Southern Region Plant Diagnostic Network, IPM PIPE 2007, KY Component		\$39,000	7/1/2007	6/30/2008
Witt, William	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Managing Weeds that Inhibit Beef and Horse Grazing		\$13,404	7/1/2007	12/31/2008
Zhu, Hongyan	Plant & Soil Sciences	Agricultural Research Service	ARS/SCA Cooperative Agreement - Alignment of Medicago Truncatula and Red Clover Chromosomes: A Comparative Genomics Tool to Advance Genetic Improvement of Red		\$58,667	7/1/2007	12/31/2008
Total Federal Competitive					\$156,137		
Total Value					\$2,087,440		