

**4058 - Chemistry, Bioavailability, and Toxicity of Constituents in Residuals and Residual-Treated Soils**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Stehouwer Richard C  
Elliott Herschel A  
Stehouwer Richard C

**Other Department(s):**

Agricultural and Biological Engineering

**4059 - Poultry Production Systems: Optimization of Production and Welfare Using Physiological, Behavioral, and Physical Assessments**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Agricultural and Biological Engineering

**Investigator(s):**

Wheeler Eileen F

**Other Department(s):**

None

**4071 - Season Extension for Horticultural Crop Production**

**Scheduled to Terminate:** 03/31/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Orzolek Michael D  
Garthe James W  
Lamont William J Jr

**Other Department(s):**

Agricultural and Biological Engineering

**4079 - Mechanical Behavior of Particle Systems**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Agricultural and Biological Engineering

**Investigator(s):**

Puri Virendra M

**Other Department(s):**

None

**4082 - Improvement of Thermal and Alternative Processes for Foods**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Food Science

**Investigator(s):**

Anantheswaran R C  
Demirci Ali

**Other Department(s):**

Agricultural and Biological Engineering

**4083 - Novel Processes for Food Safety and for Production and Bioprocessing of Biobased Value-Added Products**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Agricultural and Biological Engineering

**Investigator(s):**

Demirci Ali  
Puri Virendra M  
Walker Paul N  
Knabel Stephen J  
Richard Thomas L

**Other Department(s):**

Food Science

**4096 - Using New Technology and Management Strategies for Mushroom Cultivation**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**

Beyer David M  
Royse Daniel J  
Heinemann Paul H  
Beelman Robert B  
Buffington Dennis E  
Romaine Charles P

**Other Department(s):**

Agricultural and Biological Engineering  
Food Science

**4152 - Systems for Controlling Air Pollutant Emissions and Indoor Environments of Poultry, Swine, and Dairy Facilities**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** [Agricultural and Biological Engineering](#)

**Investigator(s):**

Wheeler Eileen F

**Other Department(s):**

None

**4169 - Agricultural Safety and Health for Farm Families and Farm Workers**

**Scheduled to Terminate:** 03/31/12

**Department Responsible for Report:** [Agricultural and Biological Engineering](#)

**Investigator(s):**

Murphy Dennis J  
Hilton James W

**Other Department(s):**

None

**4272 - Land-based solutions for municipal/agricultural/industrial waste disposal**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** [Agricultural and Biological Engineering](#)

**Investigator(s):**

Shannon Robert D

**Other Department(s):**

None

**4276 - Enhancing Profitability and the Environmental Management of Horticultural Green Industry Crops and Landscapes in Pennsylvania**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Horticulture](#)

**Investigator(s):**

Bates Rick M  
Sellmer James C  
Holcomb Edmund J  
Berghage Robert D  
Jarrett Albert R

**Other Department(s):**

Agricultural and Biological Engineering

**4288 - Wood Utilization Research on US Biofuels, Bioproducts, Hybrid Biomaterials Composites Production, and Traditional Forest Products**

**Scheduled to Terminate:** 07/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** [School of Forest Resources](#)

**Investigator(s):**

Ray Charles D  
Ray Charles D  
Catchmark Jeffrey M  
Michael Judd H  
Brown Nicole R

**Other Department(s):**

Agricultural and Biological Engineering

**Progress and/or Termination Reports Due**

***Agricultural and Biological Engineering***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4290 - Integrated Systems Research and Development in Automation and Sensors for Sustainability of Specialty Crops**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Biological Engineering](#)

**Investigator(s):**

Heinemann Paul H  
Baugher Tara A  
Schupp James R  
Schupp James R  
Schupp James R  
Liu Jude

**Other Department(s):**

Adams County  
Horticulture  
Fruit Research and Extension Center

**4322 - Modeling for TMDL Development, and Watershed Based Planning, Management and Assessment**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Biological Engineering](#)

**Investigator(s):**

Hamlett James M

**Other Department(s):**

None

**4018 - Youth Civic Engagement: Roots of Personal Well-Being and a Healthy Civil Society**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Flanagan Constance A

**Other Department(s):**

None

**4121 - Internationalization of the Agricultural Education Curriculum**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Bruening Thomas H

**Other Department(s):**

None

**4129 - Risk and Resiliency in Youth, Families, and Communities and Positive Development Promotional Strategies and Interventions**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Perkins Daniel F

Mincemoyer Claudia C

Brennan Mark A

**Other Department(s):**

None

**4149 - Local Food Choices, Eating Patterns, and Population Health**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Thomson Joan S

**Other Department(s):**

None

**4162 - An Integrated Approach to Prevention of Obesity in High Risk Families**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Scholl Jan F

Scholl Jan F

**Other Department(s):**

None

**4177 - Experiential Learning Opportunities in Agricultural Education Programs**

**Scheduled to Terminate:** 03/31/12

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Ewing John C

Yoder Edgar

**Other Department(s):**

None

**4192 - Leadership Development of Youth & Adults**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Brennan Mark A

Hoover Tracy S

Mincemoyer Claudia C

**Other Department(s):**

None

**4217 - Developing a Model for Integrating Research and Extension Activities**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Radhakrishna Rama B

**Other Department(s):**

None

**4241 - Strategies to Overcome Barriers to Underserved Clientele Participation in Agricultural and Extension Education Programs**

**Scheduled to Terminate:** 03/31/13

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Baggett Connie D

Ingram Patreese D

**Other Department(s):**

None

**4255 - The Complex Nature of Saving: Psychological and Economic Factors**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Bowen Cathy F

**Other Department(s):**

None

**4273 - Intergenerational strategies for supporting children, youth, older adults, families, and communities**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Kaplan Matthew S

Furry Marilyn

**Other Department(s):**

None

**4274 - EFNEP Related Research, Program Evaluation and Outreach**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Scholl Jan F

Scholl Jan F

**Other Department(s):**

None

**4280 - Impact of Service-Learning on Youth and Communities**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Agricultural and Extension Education](#)

**Investigator(s):**

Webster Nicole S

**Other Department(s):**

None

**4012 - Productivity, Innovation, and Globalization in the Food System**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Stefanou Spiro E  
**Other Department(s):** None

**4016 - Economics of the Food and Agricultural System**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Dunn James W  
Bailey Kenneth W  
**Other Department(s):** None

**4027 - Agricultural and Rural Finance Markets in Transition**

**Scheduled to Terminate:** 08/31/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Stokes Jeffrey R  
**Other Department(s):** None

**4052 - Economic Incentives for Environmental Resource Management Under Conditions of Uncertainty and Adjustment Costs**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Shortle James S  
Hinrichs C Cynthia  
Fisher-Vanden Karen A  
**Other Department(s):** None

**4054 - Collaborative Strategies in Global Value Chains: Contracts, Alliances, and Handshakes as Approaches To Expand and Stabilize Profitability in the Food System**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Weaver Robert D  
**Other Department(s):** None

**4057 - Gender, Food, and Sustainable Agriculture**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Sachs Carolyn E  
**Other Department(s):** None

**4068 - Strengthening Finances of Pennsylvania Dairy Farm Borrowers**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***  
**Department Responsible for Report:** Agricultural Economics and Rural Sociology  
**Investigator(s):** Hanson Gregory D  
**Other Department(s):** None

**4072 - Fruit and Vegetable Marketing Innovations and Demand Assessment**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Kelley Kathleen M  
Hyde Jeffrey A  
Hyde Jeffrey A  
Kelley Kathleen M

**Other Department(s):**

Agricultural Economics and Rural Sociology

**4158 - Globalization and the Reinstrumentation of Domestic Agricultural Policies**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Abler David G  
Blandford David

**Other Department(s):**

None

**4163 - Public Knowledge and Perceptions of Current Issues**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Willits Fern K

**Other Department(s):**

None

**4165 - Evaluation of Production Risk Management Options for Pennsylvania Agronomic and Horticultural Crops**

**Scheduled to Terminate:** 12/31/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Harper Jayson K

**Other Department(s):**

None

**4167 - Sustaining Pennsylvania's Forests: Blending Management and Society**

**Scheduled to Terminate:** 12/31/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Luloff Albert E  
Finley James C

**Other Department(s):**

School of Forest Resources

**4181 - Rural Change: Markets, Governance and Quality of Life**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Findeis Jill L  
Goetz Stephan J  
Smith Stephen M  
Jensen Leif  
McLaughlin Diane K  
Alter Theodore R

**Other Department(s):**

None

**4185 - Strategic Procurement and Marketing Behavior by U. S. Food Processors and Retailers**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Jaenicke Edward C

**Other Department(s):**

None

**4208 - Understanding Agricultural Entrepreneurship in Pennsylvania**

**Scheduled to Terminate:** 01/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Hyde Jeffrey A  
**Other Department(s):** None

**4212 - Private Strategies, Public Policies, and Food System Performance**

**Scheduled to Terminate:** 07/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Jaenicke Edward C  
Bonanno Alessandro  
**Other Department(s):** None

**4232 - Population Dynamics and Change: Aging, Ethnicity and Land Use Change in Rural Communities**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Brasier Kathryn J  
Abdalla Charles W  
Leach Mark A  
**Other Department(s):** None

**4234 - Benefits and Costs of Natural Resources Policies Affecting Public and Private Lands**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Ready Richard C  
Abdalla Charles W  
Shortle James S  
Fisher-Vanden Karen A  
**Other Department(s):** None

**4289 - Research and Education Support for the Renewal of an Agriculture of the Middle**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Hinrichs C Clare  
Hyde Jeffrey A  
Hyde Jeffrey A  
**Other Department(s):** None

**4294 - Impact Analyses and Decision Strategies for Agricultural Research**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Glenna Leland L  
**Other Department(s):** None

**4340 - Agro-Food Systems and Globalization**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):** Patel-Campillo Anouk  
**Other Department(s):** None

**4351 - Policy Implications of Structural Changes in Food Retailing**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** [Agricultural Economics and Rural Sociology](#)

**Investigator(s):**

Bonanno Alessandro

**Other Department(s):**

None

**4355 - Economics of Health-Enhancing Food Products: Demand, Strategies and Policy**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** [Agricultural Economics and Rural Sociology](#)

**Investigator(s):**

Bonanno Alessandro

**Other Department(s):**

None

**Progress and/or Termination Reports Due**

***Cooperative Fish and Wildlife Research Unit***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4020 - Experimental Management of Fish and Wildlife Populations in Pennsylvania**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Cooperative Fish and Wildlife Research Unit

**Investigator(s):**

Diefenbach Duane R

Diefenbach Duane R

Wagner Tyler

**Other Department(s):**

School of Forest Resources

**3942 - Soil Testing and Management for Improved Nutrient-Use Efficiency of Turfgrass Systems**

**Scheduled to Terminate:** 03/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Schlossberg Maxim J

**Other Department(s):**

None

**3963 - Synthetic and Modified Clays for Remediation of Soils and Water**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Komarneni Sridhar

**Other Department(s):**

None

**4056 - Modifying Milk Fat Composition for Improved and Nutritional and Market Value**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Archibald Douglas D  
Karsten Heather D

**Other Department(s):**

None

**4058 - Chemistry, Bioavailability, and Toxicity of Constituents in Residuals and Residual-Treated Soils**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Stehouwer Richard C

Elliott Herschel A

Stehouwer Richard C

**Other Department(s):**

Agricultural and Biological Engineering

**4061 - Characterizing Mass and Energy Transport at Different Scales**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Lin Hangsheng S

**Other Department(s):**

None

**4065 - Hydropedology: Genesis, Properties, and Distribution of Hydromorphic Soils**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Lin Hangsheng S

Drohan Patrick J

**Other Department(s):**

None

**4086 - Germplasm Enhancement, Breeding, and Genetics of Turf and Native Grasses**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Huff David R

**Other Department(s):**

None

**4110 - Evaluating the Physical and Biological Availability of Pesticides and Pharmaceuticals in Agricultural Contexts**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Watson John E

**Other Department(s):**

None

**4114 - Variation in Nitrogen Dynamics Among Land-Use Types in the Northeastern USA**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Kaye Jason P  
Gallagher Robert S  
Martinez Carmen E  
Schlossberg Maxim J

**Other Department(s):**

None

**4115 - Soil Nutrient Cycling, Remediation, and Waste Utilization by Microbial Communities**

**Scheduled to Terminate:** 03/31/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Bruns Mary Ann  
Martinez Carmen E

**Other Department(s):**

None

**4116 - Integrated Turfgrass Disease Management and Quality of Composts Used as Soil Amendments for Turf**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Landschoot Peter J  
Turgeon, Alfred J

**Other Department(s):**

None

**4117 - Soil Management for Sustainable Crop Production**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Duiker Sjoerd W  
Gallagher Robert S  
Karsten Heather D

**Other Department(s):**

None

**4122 - Weed Management in Reduced-tillage Agriculture**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Curran William S  
Gallagher Robert S

**Other Department(s):**

None

**4126 - Improved Athletic Playing Surface Quality Through Manipulation of Root-zone Physical Properties, Cultural Practices, and Turfgrass Morphology**

**Scheduled to Terminate:** 03/31/11

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

McNitt Andrew S

**Other Department(s):**

None

**4127 - Biology, Ecology and Management of Emerging Pests of Annual Bluegrass on Golf Courses**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Landschoot Peter J  
Huff David R  
Uddin Wakar  
Heller Paul R  
Landschoot Peter J

**Other Department(s):**

Plant Pathology  
Entomology

**4137 - Developing Improved Forage Management Systems for Pennsylvania**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Hall Marvin H

**Other Department(s):**

None

**4154 - Molecular and Genetic Analysis of Interacting Signaling and Metabolic Pathways Required for Fungal and Insect Resistance in Maize**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Chopra Surinder  
Luthe Dawn S

**Other Department(s):**

None

**4166 - Improving Corn Silage, Small Grain, and Canola Production in Pennsylvania**

**Scheduled to Terminate:** 12/31/11

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Roth Gregory W

**Other Department(s):**

None

**4183 - Subsurface Network Structure and Preferential Flow Pattern**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Lin Hangsheng S

**Other Department(s):**

None

**4186 - Assessment and Management of Soil and Land Resources Using Geospatial Technologies**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Day Rick L

**Other Department(s):**

None

**4227 - Nutrient Management in Crop-Livestock Systems**

**Scheduled to Terminate:** 12/31/12

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Beegle Douglas B

**Other Department(s):**

None

**Progress and/or Termination Reports Due**

***Crop and Soil Sciences***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4284 - Containing the Spread of Weedy and Invasive Plant Species and Genotypes**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** [Crop and Soil Sciences](#)

**Investigator(s):**

Mortensen David A

**Other Department(s):**

None

**4319 - Synthetic Layered Double Hydroxides and Organoclays for Remediation of Oxyanions**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** [Crop and Soil Sciences](#)

**Investigator(s):**

Komarneni Sridhar X

**Other Department(s):**

None

**4024 - Role of Autocrine Regulatory Proteins on Mammary Cells**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Baumrucker Craig R  
**Other Department(s):** None

**4033 - Improving Palatability and Safety of Meat Products**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Mills Edward W  
**Other Department(s):** None

**4036 - Sustainable Ruminant Animal Technologies for the Northeast**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Kniffen Daniel M  
Harpster Harold W  
Comerford John W  
**Other Department(s):** None

**4070 - Transgenic Mouse Models for Studying Mammalian Development and Disease**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Shashikant Cooduvalli S  
**Other Department(s):** None

**4171 - Reproductive Performance of Domestic Ruminants**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Ott Troy L  
Oatley Jon M  
Liu Wansheng  
**Other Department(s):** None

**4209 - Management Systems to Improve the Economic and Environmental Sustainability of Dairy Enterprises**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Heinrichs Arlyn J  
Holden Lisa A  
Holden Lisa A  
**Other Department(s):** None

**4224 - Metabolic Relationships in Supply of Nutrients for Lactating**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):** Hristov Alexander N  
Varga Gabriella A  
**Other Department(s):** None

**4250 - Ovarian Influences on Embryonic Survival in Ruminants**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Pate Joy L

Diaz Francisco J

**Other Department(s):**

Poultry Science

**4287 - Genetic Selection and Crossbreeding to Enhance Reproduction and Survival of Dairy Cattle**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Dechow Chad D

**Other Department(s):**

None

**4291 - Dietary Energy Source Influences Growth and Development of the Horse**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Staniar William B

**Other Department(s):**

None

**4323 - Genetic and Functional Genomic Approaches to Improve Production and Quality of Pork**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Liu Wansheng

**Other Department(s):**

None

**4326 - Applications of Management Technology to Value-added Beef Production**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Comerford John W

Kniffen Daniel M

Harpster Harold W

**Other Department(s):**

None

**4327 - National Animal Genome Research Program**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Liu Wansheng S

**Other Department(s):**

None

**4330 - Variety, Palatability and Safety of Meat Products**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Mills Edward W

**Other Department(s):**

None

**4331 - Formation of Bovine Colostrum**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Baumrucker Craig R

**Other Department(s):**

None

**4029 - Biology and IPM Tactics for Control of Woody Ornamental and Greenhouse Pests**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Entomology

**Investigator(s):**

Hoover Kelli

Felton Gary W

**Other Department(s):**

None

**4031 - Elucidation of Chemical Mechanisms that Regulate Insect Behavior, Physiology and Ecology**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Entomology

**Investigator(s):**

Tumlinson James H

**Other Department(s):**

None

**4042 - Neuroethology of Insect Olfaction and Its Practical Application to Agriculture and Homeland Security**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Baker Thomas C

**Other Department(s):**

None

**4067 - Understanding and Managing Arthropod Pests and Natural Enemies Through Various Approaches on Deciduous Tree Fruits in PA**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Entomology

**Investigator(s):**

Hull Larry A

Rajotte Edwin G

Hull Larry A

Frazier James L

**Other Department(s):**

Fruit Research and Extension Center

**4081 - Dielectric and Microwave Applications for the Phytosanitary Treatment of Wood Material**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Janowiak John J

Hoover Kelli

Ray Charles D

**Other Department(s):**

Entomology

**4108 - Ecology and Management of European Corn borer and Other Lepidopteran Pests of Corn**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Calvin Dennis D

Tooker John F

Tooker John F

**Other Department(s):**

None

**4112 - Discovery of Entomopathogens and their Integration and Safety in Pest Management Systems**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Barbercheck Mary E

Barbercheck Mary E

**Other Department(s):**

None

**4118 - Exploration, Applied Taxonomy and Conservation of Arthropod Biodiversity**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Kim Ke Chung

**Other Department(s):**

None

**4119 - Ecology and Management of Arthropods Affecting Grapes**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Saunders Michael C

Saunders Michael C

**Other Department(s):**

Lake Erie Regional Grape Research and Extension

**4123 - Artificial Intelligence Based Modeling of Managed and Natural Systems**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Entomology

**Investigator(s):**

Saunders Michael C

Bjornstad Ottar N

**Other Department(s):**

None

**4127 - Biology, Ecology and Management of Emerging Pests of Annual Bluegrass on Golf Courses**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Crop and Soil Sciences

**Investigator(s):**

Landschoot Peter J

Huff David R

Uddin Wakar

Heller Paul R

Landschoot Peter J

**Other Department(s):**

Plant Pathology

Entomology

**4136 - Molecular Interactions Between Insects and Pathogens/Parasites**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** Entomology

**Investigator(s):**

Cui Liwang

Thomas Matthew B

**Other Department(s):**

None

**4141 - Mechanisms Regulating Plant Virus Transmission By Aphid Vector Populations**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Gildow Frederick E

Cox-Foster Diana L

Fleischer Shelby J

**Other Department(s):**

Entomology

**4159 - Nanotechnology and Biosensors**

**Scheduled to Terminate:** 08/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Entomology

**Investigator(s):**

Tumlinson James H

**Other Department(s):**

None

**4187 - Insect Ecology and Management in Vegetable Agroecosystems**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Entomology

**Investigator(s):**

Fleischer Shelby J

**Other Department(s):**

None

**4197 - The Chemical Ecology of Interactions Among Plants, Insects, and Pathogens**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** Entomology

**Investigator(s):**

DeMoraes Consuelo M

Mescher Mark C

Tooker John F

Tumlinson James H

**Other Department(s):**

None

**4203 - Sustainable Solutions to Problems Affecting Honey Bee Health**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Entomology

**Investigator(s):**

Cox-Foster Diana L

Frazier Maryann T

Ostiguy Nancy M

Mullin Christopher A

Tumlinson James H

VanEngelsdorp Dennis

Rajotte Edwin G

Frazier James L

Rajotte Edwin G

Grozinger Christina M

**Other Department(s):**

None

**4228 - Molecular Bases for Selective Chemistry in Integrated Management of Arthropod Pests**

**Scheduled to Terminate:** 12/31/12

**Department Responsible for Report:** Entomology

**Investigator(s):**

Mullin Christopher A

**Other Department(s):**

None

**4269 - Addressing Constraints to Sustainable and Organic Agricultural Production in Pennsylvania**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** Entomology

**Investigator(s):**

Barbercheck Mary E

Travis James W

Travis James W

Travis James W

**Other Department(s):**

Plant Pathology

Lake Erie Regional Grape Research and Extension

Fruit Research and Extension Center

**4025 - Control of Maillard-Type Flavor Formation Pathways by Bioactive Flavonoids: Influence of Radical Mechanisms**

**Scheduled to Terminate:** 08/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Food Science

**Investigator(s):**

Peterson Devin G

**Other Department(s):**

None

**4040 - Food Ingredients Considered as Materials: A Molecular and Colloidal Basis for Understanding Food Systems**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Food Science

**Investigator(s):**

Thompson Donald B

Coupland John N

Guiltinan Mark J

Roberts Robert F

**Other Department(s):**

Horticulture

**4082 - Improvement of Thermal and Alternative Processes for Foods**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Food Science

**Investigator(s):**

Anantheswaran R C

Demirci Ali

**Other Department(s):**

Agricultural and Biological Engineering

**4083 - Novel Processes for Food Safety and for Production and Bioprocessing of Biobased Value-Added Products**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Agricultural and Biological Engineering

**Investigator(s):**

Demirci Ali

Puri Virendra M

Walker Paul N

Knabel Stephen J

Richard Thomas L

**Other Department(s):**

Food Science

**4092 - Adding Value and Safety to Cultivated Mushroom Products**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Food Science

**Investigator(s):**

Beelman Robert B

LaBorde Luke F

Doores Stephanie

**Other Department(s):**

None

**4096 - Using New Technology and Management Strategies for Mushroom Cultivation**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Beyer David M

Royse Daniel J

Heinemann Paul H

Beelman Robert B

Buffington Dennis E

Romaine Charles P

**Other Department(s):**

Agricultural and Biological Engineering

Food Science

**4111 - Control of Bacterial Foodborne Pathogens on Fresh and or Ready-to-eat Meat and Poultry**

Scheduled to Terminate: 06/30/10

Department Responsible for Report: Food Science

Investigator(s):

Cutter Catherine N

Doores Stephanie

Other Department(s):

None

**4124 - Spherulite Formation in Biological Materials**

Scheduled to Terminate: 12/31/10

Department Responsible for Report: Food Science

Investigator(s):

Ziegler Gregory R

Other Department(s):

None

**4210 - Characterization of Flavor Molecules in Food**Scheduled to Terminate: 08/31/09 **\*\*\*Termination Report Due\*\*\***

Department Responsible for Report: Food Science

Investigator(s):

Peterson Devin G

Other Department(s):

None

**4231 - Development of Genomics and Molecular Biology-based Methods for Tracking and Controlling Foodborne Microorganisms in Foods and the Environment**

Scheduled to Terminate: 12/31/12

Department Responsible for Report: Food Science

Investigator(s):

Dudley Edward G

Other Department(s):

None

**4239 - Novel Methods for Tracking and Controlling Foodborne Pathogens**

Scheduled to Terminate: 03/31/13

Department Responsible for Report: Food Science

Investigator(s):

Knabel Stephen J

Dudley Edward G

Anantheswaran Ramaswamy C

Cutter Catherine N

LaBorde Luke F

Other Department(s):

None

**4249 - Examining the Influence of Intra Family Factors on Food Choices**

Scheduled to Terminate: 06/30/13

Department Responsible for Report: Food Science

Investigator(s):

Brown J Lynne

Other Department(s):

None

**4332 - Functional Foods and Food Ingredients: Toward Improved Physical and Nutritional Functionality**

Scheduled to Terminate: 06/30/14

Department Responsible for Report: Food Science

Investigator(s):

Thompson Donald B

Coupland John N

Roberts Robert F

Lambert Joshua D

Elias Ryan J

Other Department(s):

None

**4017 - Endowed Program in the Molecular Biology of Cacao**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Guiltinan Mark J

**Other Department(s):**

None

**4040 - Food Ingredients Considered as Materials: A Molecular and Colloidal Basis for Understanding Food Systems**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Food Science

**Investigator(s):**

Thompson Donald B

Coupland John N

Guiltinan Mark J

Roberts Robert F

**Other Department(s):**

Horticulture

**4060 - Multi-State Evaluation of Winegrape Cultivars and Clones**

**Scheduled to Terminate:** 09/30/17

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Davis Donald D

Travis James W

Crassweller Robert

Travis James W

Crassweller Robert

**Other Department(s):**

Plant Pathology

Fruit Research and Extension Center

**4063 - Nutrient Efficiency in Plants**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Lynch Jonathan P

Brown Kathleen M

**Other Department(s):**

None

**4071 - Season Extension for Horticultural Crop Production**

**Scheduled to Terminate:** 03/31/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Orzolek Michael D

Garthe James W

Lamont William J Jr

**Other Department(s):**

Agricultural and Biological Engineering

**4072 - Fruit and Vegetable Marketing Innovations and Demand Assessment**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Kelley Kathleen M

Hyde Jeffrey A

Hyde Jeffrey A

Kelley Kathleen M

**Other Department(s):**

Agricultural Economics and Rural Sociology

**4085 - Increasing the Productivity of Small Fruit Cultural Systems**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Demchak Kathleen

**Other Department(s):**

None

**4088 - Root Biology, Physiology, and Ecology in Woody Species**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Eissenstat David M

**Other Department(s):**

None

**4094 - Managing and Marketing Environmental Plants for Improved Production, Profitability, and Efficiency**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Kelley Kathleen M

Kelley Kathleen M

**Other Department(s):**

None

**4106 - Biological, Molecular and Genetic Regulatory Mechanisms Involved in the Plant's Response to Externally Applied Stimuli**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Arteca Richard N

**Other Department(s):**

None

**4120 - Ambient Ozone: Monitoring and Effects on Vegetation**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Davis Donald D

Decoteau Dennis R

**Other Department(s):**

Horticulture

**4182 - Improving Economic and Environmental Sustainability in Tree-Fruit Production Through Changes in Rootstock Use**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Schupp James R

Crassweller Robert M

Schupp James R

Crassweller Robert M

Marini Richard P

**Other Department(s):**

Fruit Research and Extension Center

**4190 - Characterization and Mechanisms of Plant Responses to Ozone in the U.S.**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Decoteau Dennis R

Carlson John E

**Other Department(s):**

School of Forest Resources

*Horticulture*

October 1, 2008 through September 30, 2009  
as of September 10, 2009

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- 4218 - Collaborative Potato Breeding and Variety Development Activities to Enhance Farm Sustainability in the Eastern US**  
**Scheduled to Terminate:** 09/30/12  
**Department Responsible for Report:** [Plant Pathology](#)  
**Investigator(s):** Christ Barbara J  
Lamont William J Jr  
**Other Department(s):** Horticulture
- 4223 - Regulation of Photosynthetic Processes**  
**Scheduled to Terminate:** 09/30/12  
**Department Responsible for Report:** [Horticulture](#)  
**Investigator(s):** Guiltinan Mark J  
**Other Department(s):** None
- 4238 - Improvement of *Jatropha curcas* as a Sustainable Energy Crop by Application of Molecular Genetics and Plant Biotechnology**  
**Scheduled to Terminate:** 12/31/10  
**Department Responsible for Report:** [Horticulture](#)  
**Investigator(s):** Guiltinan Mark J  
Foolad Majid R  
Maximova Siela  
**Other Department(s):** None
- 4276 - Enhancing Profitability and the Environmental Management of Horticultural Green Industry Crops and Landscapes in Pennsylvania**  
**Scheduled to Terminate:** 09/30/13  
**Department Responsible for Report:** [Horticulture](#)  
**Investigator(s):** Bates Rick M  
Sellmer James C  
Holcomb Edmund J  
Berghage Robert D  
Jarrett Albert R  
**Other Department(s):** Agricultural and Biological Engineering
- 4277 - Development of Production and Marketing Strategies for Colored Potato Chips**  
**Scheduled to Terminate:** 09/30/13  
**Department Responsible for Report:** [Horticulture](#)  
**Investigator(s):** Lamont William J  
**Other Department(s):** None
- 4278 - Functions of Communities of Mycorrhizal Mycelium in Soil**  
**Scheduled to Terminate:** 12/31/13  
**Department Responsible for Report:** [Horticulture](#)  
**Investigator(s):** Koide Roger T  
**Other Department(s):** None

**4283 - Commercial Greenhouse Production: Component and System Development**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Holcomb Edmund J  
Berghage Robert D  
Heuser Charles W  
Michael Alan H  
Berghage Robert D

**Other Department(s):**

Dauphin County

**4286 - Conservation and Utilization of Plant Genetic Resources**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Foolad Majid R

**Other Department(s):**

None

**4290 - Integrated Systems Research and Development in Automation and Sensors for Sustainability of Specialty Crops**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** Agricultural and Biological Engineering

**Investigator(s):**

Heinemann Paul H  
Baugher Tara A  
Schupp James R  
Schupp James R  
Schupp James R  
Liu Jude

**Other Department(s):**

Adams County  
Horticulture  
Fruit Research and Extension Center

**4329 - Endowed Program in the Molecular Biology of Cacao**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Guiltinan Mark J

**Other Department(s):**

None

**Progress and/or Termination Reports Due**

***International Agriculture***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**1845 - International Agricultural Programs**

**Scheduled to Terminate:** 12/31/50

**Department Responsible for Report:** [International Agriculture](#)

**Investigator(s):**

Behring Deanna

**Other Department(s):**

None

**Progress and/or Termination Reports Due**

***Lancaster County***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4195 - Flies Impacting Livestock, Poultry and Food Safety**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Lancaster County

**Investigator(s):**  
Martin Gregory P

**Other Department(s):**  
None

*Plant Pathology*

October 1, 2008 through September 30, 2009  
as of September 10, 2009

**3920 - Development of Detection and Management Techniques for Crop Bioterrorism and Accidental Releases of Invasive Pathogens**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Backman Paul A

Kang Seogchan

**Other Department(s):**

None

**4030 - Alternative Management Systems for Plant-Parasitic Nematodes in Horticultural and Field Crops**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Halbrendt John M

Halbrendt John M

**Other Department(s):**

Fruit Research and Extension Center

**4032 - Integrated Management Practices for Gray Leaf Spot of Perennial Ryegrass Turf**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Uddin Wakar

**Other Department(s):**

None

**4048 - Molecular Phylogenetic Species Recognition and Identification in Fusarium**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Geiser David M

**Other Department(s):**

None

**4060 - Multi-State Evaluation of Winegrape Cultivars and Clones**

**Scheduled to Terminate:** 09/30/17

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Davis Donald D

Travis James W

Crassweller Robert

Travis James W

Crassweller Robert

**Other Department(s):**

Plant Pathology

Fruit Research and Extension Center

**4096 - Using New Technology and Management Strategies for Mushroom Cultivation**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** Plant Pathology

**Investigator(s):**

Beyer David M

Royse Daniel J

Heinemann Paul H

Beelman Robert B

Buffington Dennis E

Romaine Charles P

**Other Department(s):**

Agricultural and Biological Engineering

Food Science

**4098 - Molecular Mechanisms of Bacterial Pathogenesis in Plants and Plant Resistance to Bacterial Disease**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**  
McNellis Timothy W

**Other Department(s):**  
None

**4109 - Mycotoxins: Biosecurity and Food Safety**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**  
Kuldau Gretchen A

**Other Department(s):**  
None

**4120 - Ambient Ozone: Monitoring and Effects on Vegetation**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**  
Davis Donald D  
Decoteau Dennis R

**Other Department(s):**  
Horticulture

**4127 - Biology, Ecology and Management of Emerging Pests of Annual Bluegrass on Golf Courses**

**Scheduled to Terminate:** 09/30/10

**Department Responsible for Report:** [Crop and Soil Sciences](#)

**Investigator(s):**  
Landschoot Peter J  
Huff David R  
Uddin Wakar  
Heller Paul R  
Landschoot Peter J

**Other Department(s):**  
Plant Pathology  
Entomology

**4141 - Mechanisms Regulating Plant Virus Transmission By Aphid Vector Populations**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**  
Gildow Frederick E  
Cox-Foster Diana L  
Fleischer Shelby J

**Other Department(s):**  
Entomology

**4160 - Ecological and Genetic Diversity of Soilborne Pathogens and Indigenous Microflora**

**Scheduled to Terminate:** 09/30/11

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**  
Jimenez-Gasco Maria M  
Backman Paul A

**Other Department(s):**  
None

**4193 - Forecasting, Epidemiology, and Management of Plant Diseases**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**

Moorman Gary W  
Isard Scott  
Ngugi Henry K  
Ngugi Henry K  
Stewart Elwin L  
Uddin Wakar

**Other Department(s):**

Fruit Research and Extension Center

**4218 - Collaborative Potato Breeding and Variety Development Activities to Enhance Farm Sustainability in the Eastern US**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**

Christ Barbara J  
Lamont William J Jr

**Other Department(s):**

Horticulture

**4256 - Evolution and Diversity of Fungal Pathogens and Molecular Mechanisms of Host Defense**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** [Plant Pathology](#)

**Investigator(s):**

Kang Seogchan  
Yang Yinong  
Geiser David M

**Other Department(s):**

None

**4269 - Addressing Constraints to Sustainable and Organic Agricultural Production in Pennsylvania**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** [Entomology](#)

**Investigator(s):**

Barbercheck Mary E  
Travis James W  
Travis James W  
Travis James W

**Other Department(s):**

Plant Pathology  
Lake Erie Regional Grape Research and Extension  
Fruit Research and Extension Center

**4084 - Enhancing Reproductive Efficiency of Poultry**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** Poultry Science

**Investigator(s):**

Bartell Paul A  
Ramachandran Ramesh  
Diaz Francisco J  
Johnson Alan L

**Other Department(s):**

None

**4172 - Elucidation of Endocrine Factors Influencing Metabolic Regulation and Nutrient Partitioning in Domestic Poultry**

**Scheduled to Terminate:** 12/31/11

**Department Responsible for Report:** Poultry Science

**Investigator(s):**

Ramachandran Ramesh  
Vasilatos-Younken Regina

**Other Department(s):**

None

**4221 - Nutritional and Management Abatement Strategies for Improvement of Poultry Air and Water Quality (from W195)**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Poultry Science

**Investigator(s):**

Patterson Paul H  
Hulet R Michael  
Hulet R Michael  
Patterson Paul H

**Other Department(s):**

None

**4250 - Ovarian Influences on Embryonic Survival in Ruminants**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Dairy and Animal Science

**Investigator(s):**

Pate Joy L  
Diaz Francisco J

**Other Department(s):**

Poultry Science

**3994 - National Atmospheric Deposition Program (NADP)**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Carrick Hunter J Boyer Elizabeth W	<b>Other Department(s):</b> None
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**4014 - Abundance and Productivity of Pennsylvania's Migrant Songbirds**

**Scheduled to Terminate:** 03/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Brittingham-Brant M	<b>Other Department(s):</b> None
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**4020 - Experimental Management of Fish and Wildlife Populations in Pennsylvania**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** Cooperative Fish and Wildlife Research Unit

<b>Investigator(s):</b> Diefenbach Duane R Diefenbach Duane R Wagner Tyler	<b>Other Department(s):</b> School of Forest Resources
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**4043 - Wood-Adhesive Curing and Crosslinking Reactions**

**Scheduled to Terminate:** 06/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Brown Nicole R	<b>Other Department(s):</b> None
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**4049 - Whole Watershed Liming, Responses of Forest Vegetation and Mammalian Herbivory Implications**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Tzilkowski Walter M	<b>Other Department(s):</b> None
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**4051 - Molecular Tree Improvement**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Carlson John E	<b>Other Department(s):</b> None
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**4062 - Ecology and Systematics of Freshwater Fishes**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Stauffer Jay R	<b>Other Department(s):</b> None
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**4064 - Watershed Assessment and Planning Practica in a Community Context**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

<b>Investigator(s):</b> Sherwin Lysle S	<b>Other Department(s):</b> None
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**4081 - Dielectric and Microwave Applications for the Phytosanitary Treatment of Wood Material**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Janowiak John J

Hoover Kelli

Ray Charles D

**Other Department(s):**

Entomology

**4093 - Macroscopes for Ecotopes -- Multiscale Spatial Analysis for Ecology and Economics of Forested and Mosaic Landscapes**

**Scheduled to Terminate:** 07/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Myers Wayne L

**Other Department(s):**

None

**4097 - Spatially Explicit Management Planning Systems for Forest Ecosystem Management**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

McDill Marc E

**Other Department(s):**

None

**4101 - Wildlife Diversity and Conservation in Pennsylvania Landscapes**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Yahner Richard H

**Other Department(s):**

None

**4113 - Economic and Financial Incentives to Improve Forest Management**

**Scheduled to Terminate:** 12/31/10

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Jacobson Michael G

**Other Department(s):**

None

**4150 - Restoration and Regeneration of Mixed-Oak Stands in the Central Appalachians**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Steiner Kim C

Finley James C

**Other Department(s):**

None

**4155 - Improving Landscape and Christmas Tree Varieties**

**Scheduled to Terminate:** 09/30/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Carlson John E

**Other Department(s):**

None

**4167 - Sustaining Pennsylvania's Forests: Blending Management and Society**

**Scheduled to Terminate:** 12/31/11

**Department Responsible for Report:** Agricultural Economics and Rural Sociology

**Investigator(s):**

Luloff Albert E

Finley James C

**Other Department(s):**

School of Forest Resources

**4190 - Characterization and Mechanisms of Plant Responses to Ozone in the U.S.**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** Horticulture

**Investigator(s):**

Decoteau Dennis R

Carlson John E

**Other Department(s):**

School of Forest Resources

**4225 - Silvicultural Strategies for Tree Regeneration, Structural Complexity, and Habitat Diversity in Mixed-species Forest Ecosystems**

**Scheduled to Terminate:** 12/31/12

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Zenner Eric K

**Other Department(s):**

None

**4230 - Marketing Environmentally Responsible Wood-Based Building Materials**

**Scheduled to Terminate:** 12/31/12

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Smith Paul M

Michael Judd H

**Other Department(s):**

None

**4240 - Dendrochronology, Historical Ecology and Impacts of Global Change on Forests in the Eastern United States**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Abrams Marc D

Kaye Margot W

**Other Department(s):**

None

**4242 - Habitat Management and Freshwater Fish Production**

**Scheduled to Terminate:** 03/31/13

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Ferreri Cecilia P

**Other Department(s):**

None

**4245 - Links Between Microbial Ecology and the Biogeochemistry of Aquatic Ecosystems**

**Scheduled to Terminate:** 03/31/13

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Carrick Hunter J

**Other Department(s):**

None

**4261 - Biological Improvement of Chestnut through Technologies that Address Management of the Species, its Pathogens and Pests**

**Scheduled to Terminate:** 09/30/13

**Department Responsible for Report:** School of Forest Resources

**Investigator(s):**

Carlson John E

Micsky Gary W

**Other Department(s):**

Mercer County

**4288 - Wood Utilization Research on US Biofuels, Bioproducts, Hybrid Biomaterials Composites Production, and Traditional Forest Products**

**Scheduled to Terminate:** 07/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** [School of Forest Resources](#)

**Investigator(s):**

Ray Charles D  
Ray Charles D  
Catchmark Jeffrey M  
Michael Judd H  
Brown Nicole R

**Other Department(s):**

Agricultural and Biological Engineering

**4296 - The Role of Predation Pressure in Shaping Cognition and Behavior in Natural Populations**

**Scheduled to Terminate:** 12/31/13

**Department Responsible for Report:** [School of Forest Resources](#)

**Investigator(s):**

Braithwaite Victoria A

**Other Department(s):**

None

**4320 - Conservation and Management of Pennsylvania Birds**

**Scheduled to Terminate:** 03/31/14

**Department Responsible for Report:** [School of Forest Resources](#)

**Investigator(s):**

Brittingham Margaret C

**Other Department(s):**

None

**Progress and/or Termination Reports Due**

***Southeast Agricultural Research and Extension Center***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4170 - Southeast Agricultural Research and Extension Center**

**Scheduled to Terminate:** 12/31/17

**Department Responsible for Report:** Southeast Agricultural Research and Extension Center

**Investigator(s):**

McPheron Bruce A

**Other Department(s):**

None

**1606 - Poultry Diagnostic Laboratory**

**Scheduled to Terminate:** 12/31/50

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Kapur Vivek  
**Other Department(s):** None

**1607 - Laboratory for Diagnosing Diseases of Livestock**

**Scheduled to Terminate:** 12/31/50

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Kapur Vivek  
Jayarao Bhushan M  
**Other Department(s):** None

**4066 - Regulation of Erthropoiesis by BMP4 and Smad5**

**Scheduled to Terminate:** 12/31/09 **\*\*\*Termination Report Due\*\*\***

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Paulson Robert F  
**Other Department(s):** None

**4073 - Regulation of T Cell and Mast Cell Function by Tyrosine Kinase ITK**

**Scheduled to Terminate:** 06/30/10

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** August Avery  
**Other Department(s):** None

**4125 - Regulation of the Ah Receptor Signal Transduction Pathway**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Perdew Gary H  
**Other Department(s):** None

**4128 - Regulation of Mammalian Gene Expression by Peroxisome Proliferator-activated Receptors**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Peters Jeffrey M  
**Other Department(s):** None

**4133 - TGFB1 in Skin Carcinogenesis**

**Scheduled to Terminate:** 03/31/11

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Glick Adam B  
**Other Department(s):** None

**4143 - Bordetella-Host Interactions**

**Scheduled to Terminate:** 06/30/11

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Harvill Eric T  
Kennett Mary J  
Xiong Na  
**Other Department(s):** None

**4173 - Regulation of Immune Function and Gastrointestinal Homeostasis by Vitamin D**

**Scheduled to Terminate:** 03/31/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Cantorna Margherita T  
**Other Department(s):** None

**4174 - Serotonin and Neural Plasticity in Stress and Anxiety**

**Scheduled to Terminate:** 03/31/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Andrews Anne M  
**Other Department(s):** None

**4180 - Mastitis Resistance to Enhance Dairy Food Safety**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Jayarao Bhushan M  
Jayarao Bhushan M  
**Other Department(s):** None

**4202 - Environmental Effects on Gene Expression and Immune Function**

**Scheduled to Terminate:** 06/30/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Prabhu K Sandeep  
**Other Department(s):** None

**4215 - Pathogenesis of Paramyxoviruses**

**Scheduled to Terminate:** 09/30/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** He Biao  
Schmitt Anthony P  
**Other Department(s):** None

**4233 - Peroxisome Proliferator-Activated Receptors (PPARs) in Nutrition and Disease**

**Scheduled to Terminate:** 12/31/12

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** VandenHeuvel John P  
**Other Department(s):** None

**4279 - Molecular Determinants of Xenobiotic Biotransformation and Toxicity**

**Scheduled to Terminate:** 06/30/13

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Omiecinski Curtis J  
**Other Department(s):** None

**4293 - The STK Receptor Tyrosine Kinase, Macrophage Activation and Autoimmunity**

**Scheduled to Terminate:** 12/31/13

**Department Responsible for Report:** [Veterinary and Biomedical Sciences](#)

**Investigator(s):** Hankey Pamela A  
**Other Department(s):** None

**Progress and/or Termination Reports Due**

***Veterinary and Biomedical Sciences***

October 1, 2008 through September 30, 2009  
*as of September 10, 2009*

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**4328 - Cancer Molecular Pathways, Biomarkers, and Targeted Therapeutics**

**Scheduled to Terminate:** 06/30/14

**Department Responsible for Report:** **Veterinary and Biomedical Sciences**

**Investigator(s):**

Kanjilal Sagarika

**Other Department(s):**

None