

# Pennsylvania

September 2012



## Recent Major Accomplishments

### QUICK FACTS

#### Number of Employees

77

#### Number of Facilities

3

#### Total Budget

\$10,121,874

#### Acres of Forest

16,652,000

### Research Work Units

- **NEWTOWN SQUARE, PA:**  
NRS-06 Climate, Fire & Carbon Cycle Science, Climate Change  
NRS-05 Forestry Inventory & Analysis  
Station-wide Facilities Maintenance
- **WARREN, PA:**  
NRS-02 Sustaining Forest in a Changing Environment

### Partners

- Allegheny National Forest
- American Forests & Paper Association
- Auburn University
- Audubon Society
- Kane Hardwoods, Inc.
- Monongahela National Forest
- Ohio State University
- Pennsylvania Bureau of Forestry
- Pennsylvania Game Commission
- Pennsylvania State University
- University of Pennsylvania
- University of Minnesota

The Northern Research Station will continue to implement a program that addresses a comprehensive scientific foundation, including the following program directions: Sustaining forests; Forest disturbance processes; Urban natural resources stewardship; Providing clean air and water; & Natural resources inventory and monitoring. Within these program directions, NRS scientists in Pennsylvania have already

- Demonstrated that using repeated small prescribed fires considerably improves the regeneration of oak seedlings in forest gaps, thus helping to preserve oak dominance in eastern forests.

- Tracked how reductions in deer herd size affected forest understory plant species diversity, helping shape future forest and deer herd management guidelines.
- Determined which forest management activities can increase carbon sequestration or reduce greenhouse gas, using forest age dynamics.
- Developed DNA-based technology to help track the establishment and spread of a beetle used as a biological control for hemlock woolly adelgid in the eastern United States.
- Sorted out the effects of disturbance factors such as harvesting, fire, pests, and forest regrowth on carbon sequestration sinks in the entire conterminous U.S. forests and in various regions.

## Budget for Pennsylvania

Research Work Unit	FY 11	FY 12	FY 13
<i>Newtown Square, NRS-06</i>	1,425,249	1,425,249	1,425,249
<i>Newtown Square, NRS-05</i>	6,618,414	6,295,770	6,266,130
<i>Station-wide Facilities</i>	731,000	700,000	731,000
<i>Warren, NRS-02</i>	1,845,700	1,700,855	1,523,950
<b>STATE TOTAL</b>	<b>\$10,620,363</b>	<b>\$10,121,874</b>	<b>\$9,946,329</b>

## Grants and Agreements

Research Work Unit	Value of Grants & Agreements (all locations)	Fiscal Year
<i>NRS-06</i>	1,465,389	2011
<i>NRS-05</i>	4,425,622	2011
<i>NRS-02</i>	215,711	2011



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