

Our Speakers

Dr. Cathryn (Katie) Greenberg
Project Leader/Research Ecologist
Southern Research Station,
Bent Creek Experimental Forest
Asheville, NC

Dr. Tara Keyser
Research Forester
Southern Research Station,
Bent Creek Experimental Forest
Asheville, NC

Mr. Henry McNab
Research Forester
Southern Research Station,
Bent Creek Experimental Forest
Asheville, NC

Dr. Tom Waldrop
Team Leader/Research Forester
Southern Research Station
Clemson, SC

Dr. Stacy Clark
Research Forester
Southern Research Station
Knoxville, TN

Mr. Dean Simon
Wildlife Forester
NC Wildlife Resources Commission



Participants will view and discuss research results in the classroom and field.

Equipment To Bring

- Hard hat (one will be provided if you do not have one)
- Rain Gear
- Water Bottle
- Small backpack to store rain gear and other items.
- Laptop

Participants will need to be dressed appropriately for the field each day. The following are recommendations: long pants, shirt, and sturdy boots. Participants will perform an exercise in the woods off the trails.

Bent Creek Experimental Forest

...A Part of the Southern Research Station

Our Mission is to create the science and technology needed to sustain and enhance southern forest ecosystems and the benefits they provide.



Training located at
USDA Forest Service
Bent Creek Experimental Forest
1577 Brevard Road

Phone: 828-667-5261 extension 104
Fax: 828-667-9097



Bent Creek
Experimental Forest

2 Day Workshop

Oak Regeneration in Upland Hardwood Forests



July 24-25, 2012

Register online today at:
www.srs.fs.usda.gov/uplandhardwood

For more information call:
828-667-5261 ext. 104

Workshop

“Oak Regeneration in Upland Hardwood Forests”



Management of upland hardwood forests are complex

Research Scientists from the US Forest Service, Southern Research Station, will be conducting a two day workshop for natural resource managers working in oak-dominated ecosystems who are interested in learning more about oak ecology and silvicultural techniques to regenerate oak on upland hardwood sites. The two day workshop will include indoor lecture and field trips.

About Bent Creek Experimental Forest

Bent Creek Experimental Forest is part of the USDA Forest Service, Research and Development branch, managed by the Southern Research Station. It is on the Pisgah National Forest and located in Asheville, NC. Scientists at this important historical research facility have been conducting research for over 85 years on upland hardwood ecosystems.

Agenda

Tuesday, July 24

8:25 - 8:30 **Welcome**

8:30 - 9:00 **Introduction**

An overview of problems associated with sustainability of oak-dominated forests, including oak (and other hardwood species) regeneration and recruitment into the canopy, oak decline, and mortality.

Speaker: Katie Greenberg, Research Ecologist

9:00 - 9:45 **Forest Site Classification, Environmental Gradients and Forest Composition**

Discuss where different forest types occur on the landscape looking at classification techniques and forest compositions.
Speaker: Henry McNab, Research Forester

10:00 - 10:30 **Silvicultural Systems**

Review and discuss several silvicultural methods currently used in the management of upland hardwood forests.

Speaker: Tara Keyser, Research Forester

10:30-11:30 **Regeneration Ecology**

Discuss the regeneration ecology of the predominant hardwood species in upland oak ecosystems.

Speaker: Tara Keyser, Research Forester

11:30-12:30 Lunch on your own

12:30-3:30 **Field Trip to Bent Creek Experimental Forest**

Participants will travel in their personal vehicles to Bent Creek Experimental Forest (5 minute drive) to view research projects, silvicultural treatments and discuss regeneration problems.

The field trip will cover the following topics:

- Silviculture and regeneration strategies of oak and other upland hardwood species
- Acorn and native fruit production
- Participants will participate in a field exercise collecting data

4:00 - 5:00 **REGEN Model**

Participants will use data collected in the field to model regeneration potential and likely response to disturbance in upland hardwood stands. Participants will need to bring a laptop.

5:00 **Adjourn**

Wednesday, July 25

8:30-9:30 **Regeneration Response of Oak and Other Hardwood Species to Fire and Other Fuel Reduction Treatments**

Discuss regeneration response of oak and other hardwood species after single and multiple burns in upland hardwood forest.

Speaker: Tom Waldrop, Research Forester

9:30 – 10:30 **Artificial Regeneration**

Discuss options and procedures for introducing oaks that are not currently present in stands. American chestnut restoration project will also be discussed.

Speaker: Stacy Clark, Research Forester

10:30 – 3:00 **Field Trip to Cold Mountain Game Lands**

Participants will travel to Cold Mountain Game Lands for the day and will have an opportunity to see and learn about oak regeneration treatments, including prescribed fire, and discuss preliminary results of the NC Regional Oak Study, a collaboration between Bent Creek scientists and NC Wildlife Resources Commission employees. The Game Lands are located near Canton, NC (about a 45minute drive) and will require a 4-wheel drive vehicle. Participants please indicate on the registration form if you have a 4-wheel drive and are willing to transport participants. Everyone will need to bring a lunch.

4:00 **Return to Bent Creek Training Center/Adjourn**



Workshop Logistics

Date: July 24-25, 2012

Time: 8:00-5:00, July 24
8:30-4:00, July 25

Who should attend:

Natural resource managers familiar with forestry terminology and upland hardwood forest management.

Registration:

Participants must register for this workshop. Registration forms are online at: www.srs.fs.usda.gov/uplandhardwood

Cost:

There is no cost for the workshop but seating is limited.

Lunches: Participants are responsible for lunches.

Field Trips:

Participants will go to the field rain or shine.

Vehicles:

Participants will use their personal vehicles for both field trips. Please see registration form for details.