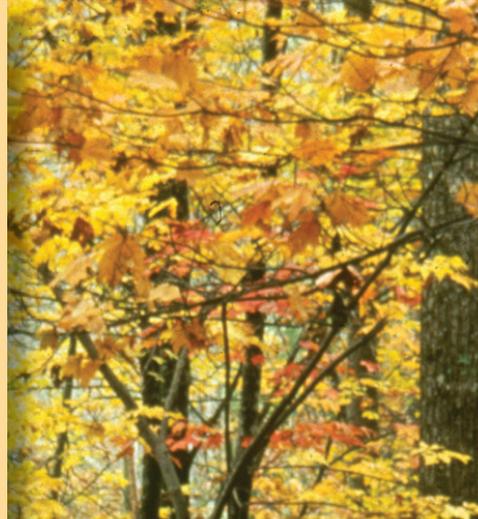
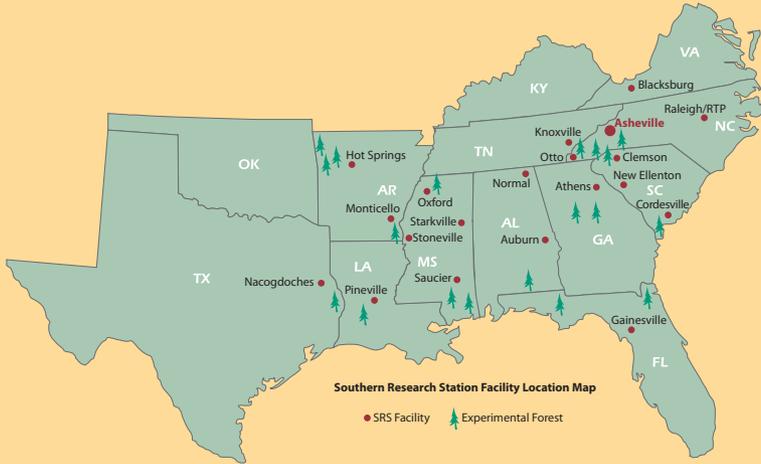




United States Department of Agriculture

SOUTHERN RESEARCH STATION



U.S. FOREST SERVICE RESEARCH & DEVELOPMENT

Science You Can Use

The U.S. Forest Service Southern Research Station is located throughout the South. From small towns to large universities, our researchers' work involves a multitude of partners. We deliver hands-on science to family forest landowners; private companies; university faculty; K-12 teachers; local, State, and Federal policy makers; non-government organizations; recreational and outdoor enthusiasts; small business owners; and many others.

For our locations, see:
www.srs.fs.usda.gov/locations/



Forest Service
Research & Development
Southern Research Station
Science Update-XXX



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Asheville, NC 28804-3454
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www.srs.fs.usda.gov



We provide relevant information to a variety of audiences and for a diversity of needs. Here is some of our research and its impact.

FIA and the Small Business Owner



Since the 1930s, the **Forest Inventory and Analysis** science program has provided a census of forests in all 50 States and in Puerto Rico. Recently, a subsidiary of Jack Daniels built a stave mill in Stevenson, AL, based on FIA data. The mill now generates \$750k in an annual payroll for this economically depressed area. For more about how to use FIA tools for your needs view: www.srs.fs.usda.gov/video/index.php?v=business

ForWarn and the City Planner



ForWarn, a state-of-the-art forest change recognition system, detects disturbances and tracks forest recovery using NASA satellite imagery to develop near real-time maps that assist forest managers in improving the health of our southern forests. In Asheville, NC, city planners learned about ice storm damage in a watershed that could have compromised the drinking water for residents. To see this tool and explore its many uses, see: www.forwarn.forestthreats.org

Hexacopter and Fire Personnel Team Up



The **hexacopter**, a small unmanned, remote controlled helicopter, helps fire personnel obtain data such as wind speed, temperature, heat, etc., about a wildland or planned (prescribed) fire that may otherwise be unsafe for “boots on the ground” to gather. www.srs.fs.usda.gov/video/index.php?v=hexacopter

Black Cohosh and Harvesters



Black Cohosh is a medicinal plant that is harvested by members of small rural communities, Native Americans, and people just looking for additional income. Currently, it is unregulated and not actively managed. Forest Service scientists and local rural harvesters are working together to ensure the sustainability of black cohosh as well as other medicinal plants indigenous to the South. www.srs.fs.usda.gov/video/index.php?v=cohosh

Forecasting with the Conservation and Scientific Community



In the newly released **Southern Forest Futures Project**, scientists along with multiple partners, forecast what our southern forests and water resources could look like in the next 50 years given present trends in conservation practices, land management, population growth, climate, and other forces. To learn more about our forests in the future, see: www.srs.fs.usda.gov/futures/

Other Valuable Resources



Looking for a job or want to volunteer?
www.srs.fs.usda.gov/help/jobs.html

Resource for educators and children
www.srs.fs.usda.gov/help/educators.html

Stay **connected** by following us on Twitter @[usfs_srs](https://twitter.com/usfs_srs)

Read our online **blog** at www.srs.fs.usda.gov/compass/

Learn about forestry through our **webinar** series at www.forestrywebinars.net

PHOTOS TOP TO BOTTOM: Hardwood forest; well-stocked sawlog stand—William D. Boyer; spicebush swallowtail larva; fire affects hardwood regeneration and wildlife; ForWarn aerial view; invasive plants iPhone app; and timber operation.

FRONT COVER PHOTO: Blue Ridge Parkway. All photos by USDA Forest Service.

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