

The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

Longleaf Pine Establishment and Management

Instructors: Drs. David Dickens, David Clabo, John Willis, Mr. Noah Shephard & Mr. Ryan Phillips
Tift County Extension Office—Conference Room
1468 Carpenter Road South, Tifton, GA 31794



WARNELL
SCHOOL OF FORESTRY AND NATURAL RESOURCES
THE UNIVERSITY OF GEORGIA

Purpose

Longleaf pine's silvical characteristics, fire adaptations, and tolerance of low fertility sites once made it the dominant pine species on over 90 million acres across the southeastern U.S. Major restoration efforts have been occurring across longleaf pine's native range during recent decades. Artificial regeneration of longleaf pine continues to increase in Georgia as the number of longleaf seedlings planted in the state increased by 20.3 million over the period from 2016 to 2021 compared to 2009 to 2015. The purpose of this workshop is to provide information on several aspects of longleaf pine management pertaining to artificial regeneration and intermediate stand management. This workshop will address the various aspects of establishing longleaf pine including: site preparation (mechanical and chemical), seed source selection, seed availability/production, seedling quality and source, planting recommendations and post-plant herbaceous weed control. Additional topics will include pine straw raking, fertilization, growth and yield, hurricane damage on old-field vs. cutover sites, and prescribed burning. We will visit a longleaf pine seed source study area to discuss several aspects of longleaf pine management. Course participants should leave with improved knowledge on how to effectively establish and manage longleaf pine stands with an emphasis on seedling survival and reasonable stand growth.

Participants will:

- Learn about longleaf pine establishment factors and ways to maximize survival and early growth
- Review cutover and old-field pine growth and yield as well as storm damage characteristics
- Learn how the effects of various herbicides and application timings effect longleaf pine survival and growth
- Learn about prescribed fire and its impacts on longleaf pine survival and growth
- Learn about seed production trends and performance of different seed sources in Georgia.
- Learn about the effects of fertilization on wood growth and pine straw yields on cut-over and old-field sites
- Discuss the economics of growing longleaf pine on old-field and cutover sites

How One Will Benefit

Upon completion of this course, a forest landowner or land manager will be able to make effective silvicultural and economical management decisions on managing longleaf stands with an emphasis on early survival and growth.

Who Should Attend?

Foresters, land managers, forest landowners, pine straw contractors, and others interested longleaf pine management and productivity.

Instructors

Dr. David Dickens – Professor of Forest Productivity UGA-WSFNR
Dr. David Clabo – Associate Professor of Silviculture Outreach UGA-WSFNR
Dr. John Willis—USDA Southern Research Station Research Forester
Noah Shephard—PhD Candidate UGA-WSFNR
Ryan Phillips—GFC Cost Share and Incentives Programs

Registration Fee

The fee for this course is \$335 which includes copies of the presentations, refreshments, and lunches. There is a \$50 discount (\$285 total) for fees paid and postmarked by 4 August 2025.

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Full Attendance is Mandatory to Receive Credit

Day One: Tuesday, August 19, 2025

Time	Event
8:15 a.m.	Welcome—Clabo/Dickens
8:30	The establishment phase-preparing the site—Dickens
9:30	Longleaf genetics and seedlings; size, quality, bareroot vs containerized, handling—Clabo
10:30	Break
10:45	Management implications for longleaf pine on old-field sites—Clabo
11:30	Post-plant herbaceous weed control—products, timings, dosages, and study results—Dickens
12:30 p.m.	Lunch
1:30	Prescribed burning; timing, frequency, effects on survival and growth—Willis
2:30	Break
2:45	Longleaf pine seed production observation in the Southeast—Willis
3:15	Longleaf pine cost share opportunities—Phillips
3:45	Economics of growing longleaf pine—Dickens
4:30 p.m.	Questions and Adjourn

Day Two: August 20, 2025

Time	Event
8:15 a.m.	Longleaf pine growth rate estimates through age 32 years on two old-field sites—Dickens
9:15	Growth and yield results by soil type for longleaf pine planted on cut-over sites with containerized stock throughout the southeastern U.S.—Clabo
10:00	Growth differences between mid-rotation Old-field and Cutover sites—Shephard
10:45	Break
11:00	Pine straw raking basics—Clabo
11:45	Maintaining pine straw production and wood growth of longleaf pine on cutover and old-field sites—Dickens
12:30 p.m.	Lunch
1:30	Old-field and cutover stand observations after Hurricane Helene—Shephard
2:25	Depart for longleaf seed source study area— <u>Prostko site</u>
2:40	Longleaf pine seed source study: survival, growth, stem form, and management history impacts on stand development—Clabo and Dickens
4:00 p.m.	Questions, Evaluations and Adjourn

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Register online at

<https://www.warnelloutreach.org/conted/#gsc.tab=0>

Registration by Regular Mail

Name - please print

Preferred name for badge

☐ Business mailing address or ☐ Home address (please check one)

City State Zip County, if Georgia

Home phone Work phone Fax

Email address Education ☐ Please send me e-mails about other Warnell Continuing programs.

Position Organization/employer

By registering for this event I agree to comply with all event and lodging cancellation policies.

Longleaf Pine Establishment and Management

August 19-20, 2025

Early registration through Aug 4, 2025:.....\$285.00

Regular registration after Aug 4, 2025:.....\$335.00

Enclosed is a check #____ (payable to Warnell School of Forestry and Natural Resources). Fee must be received to process payment.

Cancellations: Notify James Johnson at 706-308-6396

(james.johnson26@uga.edu) by 5:00 p.m. Aug 4, 2025 to receive a refund.

Mail payment to: Attn:

James Johnson
Warnell School of Forestry & Natural Resources
University of Georgia
180 East Green Street
Athens, Georgia 30602

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Directions

For directions we suggest using [google.com/maps](https://www.google.com/maps). You may also contact David Clabo 229-386-3672 or e-mail him at david.clabo@uga.edu

Special Needs

For special services or dietary considerations contact David Clabo at 229-386-3672 or e-mail him at david.clabo@uga.edu prior to 4 August 2025.

Take Home Materials

Each presentation will be provided as digital pdf files.

Parking

Please park in the back of the extension office.

Hotels in Tifton Include:

La Quinta Inn and Suites: 1215 US-82 West. 229-586-8025

SpringHill Suites: 401 Boo Dr. 229-520-5135

Hilton Garden Inn: 201 Boo Dr. 229-382-8484

Holiday Inn Express: 814 7th St West. 229-382-3300

Comfort Inn & Suites: 320 South Virginia Ave. 229-375-5903

Fairfield Inn & Suites: 806 7th St West. 229-387-8288

Spark by Hilton: 1199 US-82. 229-382-8505