

The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

Longleaf Pine Establishment and Management

Instructors: Drs. David Dickens and David Clabo

Bulloch County Ag Center—Conference Room

151 Langston Chapel Rd, Statesboro, GA

October 11-12, 2022



WARNELL
SCHOOL OF FORESTRY AND NATURAL RESOURCES
THE UNIVERSITY OF GEORGIA

Purpose

Approximately 19,043 acres of longleaf pine were planted in Georgia in 2019 alone. 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. The purpose of this workshop is to provide information on several aspects of longleaf pine management. This workshop will address the various aspects of establishing longleaf pine including: site preparation (mechanical and chemical), seed source selection, seedling quality, planting, the planting phase (timing and planting depth), and post-plant herbaceous weed control. Additional topics will include pine straw raking, fertilization, and prescribed burning. We will also address estimated longleaf pine growth rates on old-field growth rates on old-field sites through stand age 32 years, and provide in depth results from a large seed source study. Course participants should leave the course 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 cut-over and old-field pine wood and pine straw studies
- 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 the survival and growth performance of several longleaf pine seed sources planted at six locations 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 low fertility cut-over 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 in effectively managing their pine stand for pine straw.

Instructors

Dr. David Dickens – Professor of Forest Productivity UGA-WSF&NR

Dr. David Clabo – Assistant Professor of Silviculture UGA-WSF&NR

Registration Fee

The fee for this course is \$330 which includes copies of the presentations. There is a \$55 discount for fees paid and postmarked by 27 September 2022.

Continuing Education Credits (approved)

- Continuing Forestry Education (CFE) 12 hr Category 1
- GA Continuing Logger Education hours - 12 hr Category B
- Georgia Pesticide credits: 4 hr Category 23 and 1 hr Category 10
- South Carolina Pesticide credits: 5 Credits Category 3 (Day 1) and 3 Credits Cat 3 (Day 2)

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Full Attendance is Mandatory to Receive Credit

Day One: Tuesday, October 11, 2022

Time	Event
8:50 a.m.	Welcome—Clabo/Dickens
9:00	The establishment phase-preparing the site—Dickens
10:00	Longleaf genetics and seedlings; size, quality, bareroot vs containerized, handling—Clabo
11:00	Management implications for longleaf pine on old-field sites—Clabo
12:00	Lunch
1:00	Post-plant herbaceous weed control—products, timings, dosages, and study results—Dickens
2:00	Prescribed burning; timing, frequency, effects on survival and growth—Clabo
3:00	Break
3:15	Longleaf pine seed source study-5-8 year results—Clabo
4:00	Economics of growing longleaf pine—Dickens
4:45	Questions and Adjourn

Day Two: Wednesday, October 12, 2022

Time	Event
8:15 a.m.	Longleaf pine growth rate estimates through age 32 on two old-field sites—Dickens
9:15	Pine straw raking basics—Clabo
10:00	Maintaining pine straw production and wood growth of longleaf pine on cutover and old-field sites—Dickens
10:45	Break
11:00	Depart to longleaf study areas—Oliver, GA
11:40	Discussion in a twice thinned longleaf pine stand (planted December 1986) where pine straw management occurred and midrotation fertilization trials were conducted.
	Longleaf pine seed source study: survival, growth, stem form, and management history impacts on results
1:40 pm	Questions, Evaluations and Adjourn

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Register online at
<https://conted.warnell.uga.edu/>

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

October 11- 12, 2022

Early registration through Sep 27, 2022.....\$275.00

Regular registration:.....\$330.00

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

Cancellations: Notify Ingvar Elle at 706-583-0566 (ingvar@uga.edu) by 5:00 p.m. Sep 27, 2022 to receive a refund.

Mail payment to: Attn:

Anuj Sinha
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 [googlemaps.com](https://www.google.com/maps). You may also contact David Dickens 912-690-1678 or e-mail him at ddickens@uga.edu

Special Needs

For special services or dietary considerations contact David Dickens at 912-690-1678 or e-mail him at ddickens@uga.edu prior to 10 September 2022.

Take Home Materials

Each session will be provided as pdf files.

Parking

Please park in the front of the extension office.

Hotels in Statesboro Include:

Comfort Inn and Suites: 17870 GA-67. 912-225-9345

Hampton Inn: 350 Brampton Ave. 912-489-8989

Holiday Inn Express: 427 S Main St. 912-205-5999

Holiday Inn: 455 Commerce Dr. 912-489-4545

Quality Inn & Suites: 230 S Main St. 912-225-4999

Days Inn: 616 Fair Rd. 912-225-0204

Home2 Suites by Hilton: 1576 Brampton Ave. 912-259-1900