

The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

Longleaf Pine Establishment and Management Workshop

Instructors: Drs. David Dickens, David Clabo, and Dave Moorhead

Zoom Webinar Format

November 10 - 11, 2020



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 across many vegetation cover types of the Coastal Plain. Major restoration efforts have been occurring across longleaf'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 five 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

Dr. Dave Moorhead— Professor Emeritus of Silviculture UGA-WSF&NR

****Interested participants must have an e-mail address in order to view Zoom webinars. Webinar invitations will be sent via e-mail to registered participants the day before (November 10, 2020) the workshop starts.****

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Registration Fee

The fee for this course is \$270 which includes webinar access and copies of the presentations. There is a \$45 discount for fees paid and postmarked by 20 Oct 2020. We need a minimum of 15 participants by 30 October 2020 to conduct the workshop.

Continuing Education Credits (applied for)

- 9 hrs Continuing Forestry Education (CFE) hours- Category 1 (approved)
- 9 hrs Continuing Logger Education hours - Category B (approved)
- 1 hr Cat 23 1 hr Cat 10 Pesticide Applicator credits for GA (approved)

Full Attendance is Mandatory to Receive Credit

Tuesday, November 10, 2020

Time	Event
8:30 a.m.	Welcome, Zoom Directions, Questions—Clabo
8:40	The establishment phase-preparing the site—Dickens
9:40	Longleaf genetics and seedlings; size, quality, bareroot vs containerized, handling—Moorhead
10:40	break
11:00	Planting phase, timing, planting depth, interval between imazapyr and planting—Moorhead
12:00	Lunch
12:45	Post-plant herbaceous weed control—products, timings, dosages, and study results—Clabo
1:30	Prescribed burning; timing, frequency, effects on survival and growth—Clabo
2:15	Adjourn

Wednesday, November 11, 2020

Time	Event
8:00 a.m.	Longleaf pine seed source study-5-8 year results—Clabo
9:00	Economics of growing longleaf pine—Dickens
9:45	Management implications for longleaf pine on old-field sites—Clabo
11:00	Break
11:15	Longleaf pine growth rate estimates through age 32 on two old-field sites—Dickens
12:00	Maintaining pine straw production and wood growth of longleaf pine on cutover and old-field sites—Dickens
12:45	Questions and adjourn

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Register online at

<http://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 ☐ Please send me e-mails about other Warnell Continuing Education 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

November 10 - 11, 2020

Early registration through Oct 20, 2020.....\$225.00

Regular registration:.....\$270.00

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

Mail payment to: Attn:

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

Cancellations: Notify Ingvar Elle at 706-583-0566

(ielle@warnell.uga.edu) by 5:00 p.m. Oct 27, 2020 to receive a refund.