

# Forest Management & Advanced Silviculture Program

TEXAS A&M  
AGRI LIFE  
EXTENSION



## Program Brief

Extending Knowledge | Providing Solutions



## PROGRAM MISSION STATEMENT

Forest management is a comprehensive approach to the wise, sustainable, and conservative use of forest resources. It involves the planning, maintenance, and care of forests through the use of silvicultural practices that emulate natural processes and disturbances. Our Mission is to inspire proactive, practical, science-based forest management using economically-sound, silvicultural strategies that improve forest growth, health, and resiliency, thereby meeting the diverse needs of the individual landowner and improving the Texas forested landscape for the benefit of all.

## WHY IS FOREST MANAGEMENT IMPORTANT?

Texas is a large and diverse landscape which brings with it numerous challenges in managing the forest resources of the state. The rapidly increasing population in the 43 counties in East Texas (a.k.a. the *Pineywoods*), is placing an unprecedented set of challenges to sustaining healthy and productive forested landscapes.

Private landowners face threats including accessibility to forest markets and services, parcelization, insects and disease, invasives, catastrophic wildfire, devastating weather events, and loss to development. Healthy, working forests provide much more than wood fiber for lumber and habitat for wildlife. Texas forests also contribute to clean air and water, and provide recreational and cultural services and provide a huge economic benefit to the state.

## REACHING EVERY TEXAN

This program disseminates science-based knowledge, techniques and climate-smart strategies that promote and enhance forest health, resiliency, and productivity in order to meet a broad range of landowner objectives.



### 12 MILLION FORESTED ACRES IN EAST TEXAS

- 6 million in family forest ownership
- 236K family forest landowners
- 80% of which own less than 50 acres



### THE TEXAS FOREST SECTOR CONTRIBUTES

- \$25 billion each year to the state's economy
- 70,000 Texas jobs



### TEXAS FORESTS CAPTURE ENOUGH CARBON EVERYDAY TO OFFSET THE EMISSIONS OF 11,603 PASSENGER VEHICLES FOR AN ENTIRE YEAR



### 1.3 MILLION FORESTED ACRES IN TEXAS ARE IMPACTED EACH YEAR BY DISTURBANCES



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## FIELD DAYS

Making an impact, where it counts.



## PROGRAMMATIC EXPERTISE

- Forest Herbicide Decision Support
- Climate-Smart Forestry and Adaptive Silviculture
- Forest Carbon Life-Cycle Assessments
- Forest Growth and Yield Modeling
- Forest Fertilization Decision Support
- Outreach & Education
- Stand Inventory Assessment
- Timber Theft Assessment
- Pine and Hardwood Management
- Pine and Hardwood Stand Establishment
- Forest Ecosystem Restoration
- Financial Assistance Programs
- Internal Training and Field Staff Support
- Assessment Surveys



**"Forests are the lungs of our land, purifying the air and giving fresh strength to our people"**

— Franklin D. Roosevelt

## FORESTED ECOSYSTEMS

Each year Texas forest ecosystem services provide \$113 billion worth of value to Texans. These ecosystem services include biodiversity, climate, cultural, economic, human health, and watershed.

## FORESTRY COMMUNITY

The forest management program collaborates with landowners, industry stakeholders, and agencies to promote sustainable practices through science-based educational initiatives. By organizing webinars, conferences, and field tours, the program provides valuable insights and hands-on learning, empowering participants to make informed decisions about forest stewardship. These events not only enhance knowledge about best practices in forest management but also facilitate networking and the sharing of innovative ideas, ultimately contributing to healthier forest ecosystems and thriving communities.

Our goal is to provide outreach, education, training, decision support tools, technical support, and financial assistance to natural resource professionals which include:

- 170+ Private Forestry Consultants and Service Providers,
- 180+ Agency Foresters, Conservationists, County Agents, and other Natural Resource Professionals, and
- 3 Major Forestry Professional Organizations.

We also provide educational and technical assistance to over 236,000 family forest landowners and 13 forest landowner associations. This strategy provides us with greatest potential to positively impact more than 6 million acres of privately owned forests in East Texas.

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