

**Example
Homepage**

**Eyebrow
Navigation
Mega Menu**

LEAD

- FIRE RISK
- WILDFIRES
- BURN BANS
- OAK WILT
- GET HELP AFTER THE FIRE
- DROUGHT INFORMATION

**Banner
Image**

**Quick
Links**



Campaigns

CAMPAIGN #1

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CAMPAIGN #2

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CAMPAIGN #3

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NEWSROOM

1/01/14
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INFORMATION

1/01/14
FIRE RISK ADVISORY - DALLAS, TARRANT, JOHNSON COUNTIES

1/01/14
FIRE RISK ADVISORY - DALLAS, TARRANT, JOHNSON COUNTIES

1/01/14
FIRE RISK ADVISORY - DALLAS, TARRANT, JOHNSON COUNTIES

1/01/14
FIRE RISK ADVISORY - DALLAS, TARRANT, JOHNSON COUNTIES

**News /
Information /
Events**

TEXAS A&M FOREST SERVICE

We have been protecting and sustaining forests, trees and related natural resources since 1915. We offer programs and services to help you make the most of your land for generations to come.

Mission & Vision
About TFS

TITLE LOREM IPSUM

Current Advisories
What's your risk?

FINANCE & ADMINISTRATION

Statutory Reports
Policies & Procedures
Forms
Departments
Open Records

STATE OF TEXAS LINKS

Emergency Prep
Risk, Fraud & Misconduct Hotline
State of Texas
State Linking Policy
Texas Homeland Security
Statewide Search
Texas Veterans Portal
Compact with Texans
Public Notices

SOCIAL

Facebook
Twitter
Flickr
YouTube
Newsletter

Footer

**Example
Mega Menu**

Tier 1 (T1) Links

Tier 2 (T2) Links

WILDFIRES & DISASTERS | PREPARING FOR WILDFIRES | MANAGE FORESTS & LAND | COMMUNITY & URBAN FORESTRY | DATA & ANALYSIS | LEARN & EXPLORE

FIRE DANGER
Daily Fire Danger
Wild re Risk
Drought
Burn Ban
Predictive Services

FIRE & EMERGENCY RESPONSE
Wildland Fire Response
All Hazard Response

MONITOR TEXAS WILDFIRES

FIRE DEPARTMENT REPORTING
Law Enforcement
Texas Wild re Protection Plan

GET HELP AFTER THE FIRE

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Mega Menu



- FIRE RISK
- WILDFIRES
- BURN BANS
- OAK WILT
- GET HELP AFTER THE FIRE
- DROUGHT INFORMATION



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Public Notices

SOCIAL

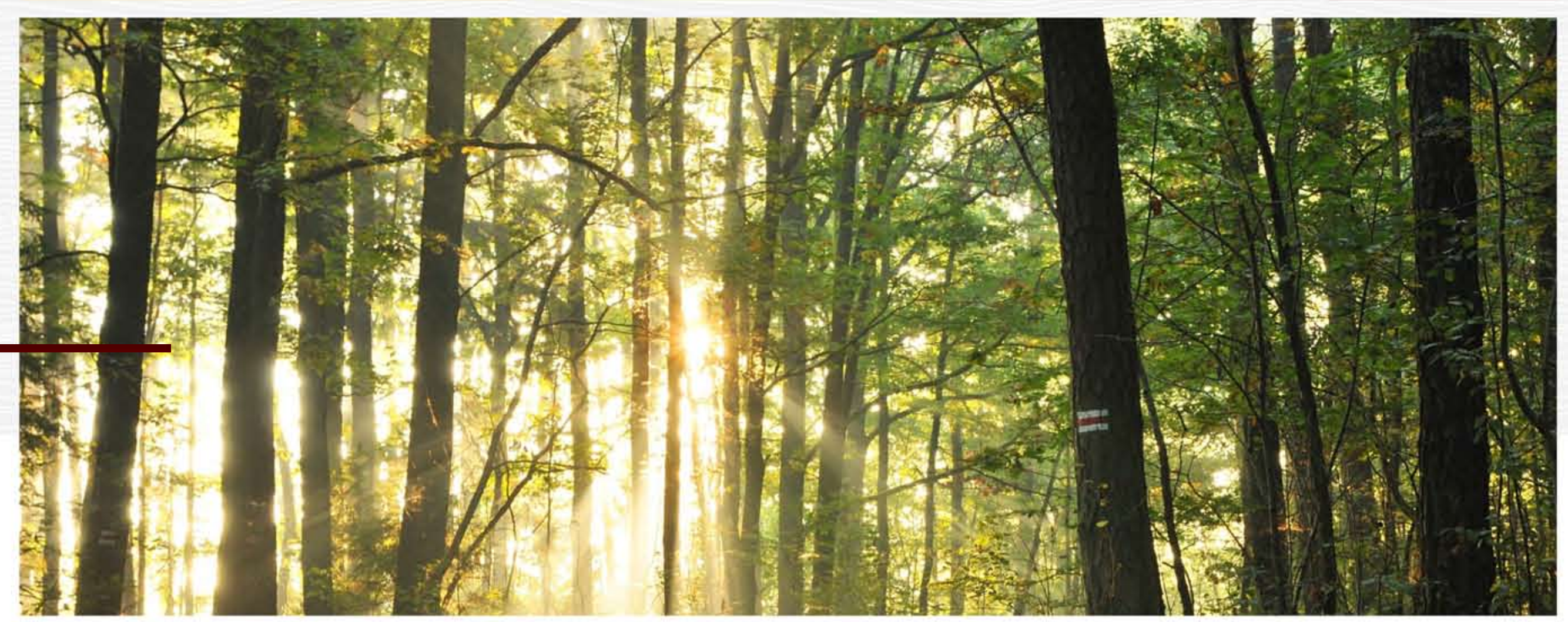
Facebook
Twitter
Flickr
YouTube
Newsletter

**Example
Tier 1 (T1) Page**

**Content Specific
Banner Image**

Sidebar Menu

- WILDFIRES & DISASTERS
- PREPARING FOR WILDFIRES
- MANAGE FORESTS & LAND**
- COMMUNITY & URBAN FORESTRY
- DATA & ANALYSIS
- LEARN & EXPLORE



MANAGE FORESTS & LAND

← SHARE

<ul style="list-style-type: none"> Landowner Assistance + Forest Health - Insects Disease Invasive Species Pest Coop Vegetation Management + Water Resource & BMPs + Wildfire Management + Wind Breaks + Forest Taxation + Forest Legacy + 	<p>Forest Resource Development staff work with forest landowners to actively manage forests, trees and related natural resources thus ensuring the state's forest lands remain productive and healthy, not only for the environment, but for generations of Texans to come.</p> <p>Forest Resource Development programs address the improvement of trees through forest genetics; reforestation of the land; stewardship practices to ensure responsibly managed land for future generations; forestry practices in urban settings; forest pest and disease control; tree nursery operations; and, striving to maintain land and resource use at a sustainable level.</p> <p>Sustainable forestry allows for meeting the resource needs of the present without compromising the needs of the future. Texas A&M Forest Service provides focused, high priority innovation and expertise to its Sustainable Forestry Program through leadership in Forest Resource Analysis, Economic Development, Forest Inventory & Analysis, Global and International Forestry, Water Resources, Ecosystem Services, Wood Technology and Utilization, Geographic Information Systems, Forest Taxation and Forest Legacy.</p>
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RELATED INFORMATION

- Texas Forest Info Portal
- Burn Ban
- Get Help After the Fire
- Prepare Your Home for Wildfire
- Tree Identification
- Forest Legacy

**Related
Information**

Content



CAMPAIGN #1
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CAMPAIGN #2
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**"Bucket" Specific
Campaigns**

NEWSROOM

<p>1/01/14 LOREM IPSUM DOLOR SIT AMET Consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo.</p>	<p>1/01/14 LOREM IPSUM DOLOR SIT AMET Consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo.</p>	<p>1/01/14 LOREM IPSUM DOLOR SIT AMET Consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo.</p>
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**"Bucket" Specific
News**

<p>TEXAS A&M FOREST SERVICE</p> <p>We have been protecting and sustaining forests, trees and related natural resources since 1915. We offer programs and services to help you make the most of your land for generations to come.</p> <p>Mission & Vision About TFS</p>	<p>TITLE LOREM IPSUM</p> <p>Current Advisories What's your risk?</p> <p>FINANCE & ADMINISTRATION</p> <p>Statutory Reports Policies & Procedures Forms Departments Open Records</p>	<p>STATE OF TEXAS LINKS</p> <p>Emergency Prep Risk, Fraud & Misconduct Hotline State of Texas State Linking Policy Texas Homeland Security Statewide Search Texas Veterans Portal Compact with Texans Public Notices</p>	<p>SOCIAL</p> <p>Facebook Twitter Flickr YouTube Newsletter</p>
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**Example
Tier 2 (T2) Page**

MANAGE FORESTS & LAND

← SHARE

Sidebar Menu

- Landowner Assistance +
- Forest Health -
- Insects
- Disease
- Invasive Species
- Pest Coop
- Vegetation Management +
- Water Resource & BMPs +
- Wildfire Management +
- Wind Breaks +
- Forest Taxation +
- Forest Legacy +

FOREST HEALTH: INSECTS

Insects are vital to the health of plants and animals although only a fraction of the insects active in the environment are noticeable to the casual observer. It is for this and many other reasons that integrated pest management methods be used in dealing with insects. Like the term "weeds", insect pests should be reserved for those insects causing unreasonable problems to the products we are trying to produce.



A list of common tree insects is available below. However, many factors can make trees more susceptible to insects. These include: heat, drought, flooding, lightning, animal damage, construction damage, soil compaction, wildfire, among others. Often the best way to prevent insect tree infestation is to keep trees healthy. Urban foresters and certified arborists receive training to care for individual trees. Resource or district foresters and consulting foresters receive training on improving the health of stand of trees or a forest.

Integrated Pest Management (IPM) relies on a combination of common-sense practices which take an effective and environmentally sensitive approach. In agricultural and forestry settings, IPM takes advantage of pesticide application, mechanical methods, and biological methods. Sometimes the most economical approach can be no control at all. As insect pests are discussed for trees, range, and crop damage, please follow the four steps of IPM. These include: Set Action Thresholds, Monitor and Identify Pests, Prevention, and Control. More information on IPM is available at <http://ipm.tamu.edu>.

Most people think that wildfires cause most of the tree mortality in our forests. A study of forest tree mortality factors indicates that in the United States, insects account for 41% and diseases cause 26% of the tree mortality. Put another way, insects and diseases together are responsible for killing two out of every three trees that die in our nation's forests. In general, with respect to insect and disease pests, keep in mind that healthy trees are usually much less susceptible to pest damage. Especially in urban areas, many times it is the activities of people that compromise the health of trees and make them vulnerable to insects and diseases.

HARDWOOD INSECTS



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[Read more...](#)

- + MISCELLANEOUS INSECTS
- + OTHER PINE INSECT PESTS
- + PINE ENGRAVER BEETLES
- + SOUTHERN ENGRAVER BEETLE

RELATED SERVICES

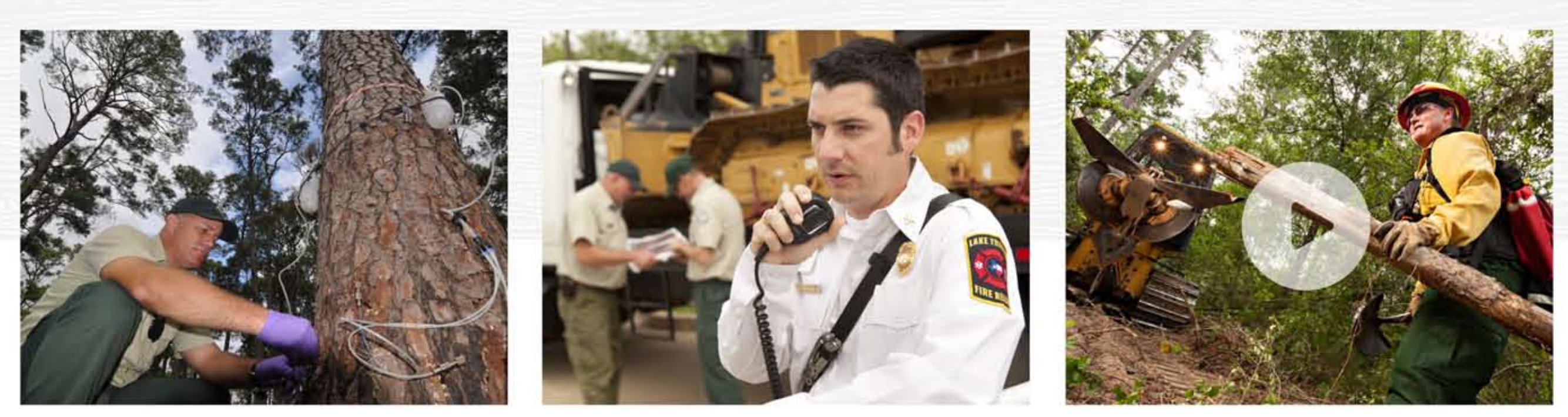
- [Texas Forest Info Portal](#)
- [Burn Ban](#)
- [Get Help After the Fire](#)
- [Tree Identification](#)
- [Forest Legacy](#)

**Content Title
Format: [T1]: [T2]**

Content

**+ Expandable Content
(Can link to Tier 3 / T3)**

Related Information



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