

Next Meeting: Saturday August 31, 2019, 10am at Luigi's Italian Café, Mount Pleasant

Engineered Wood Stays 12 Degrees Cooler, Saves AC Costs by up to 60 Percent

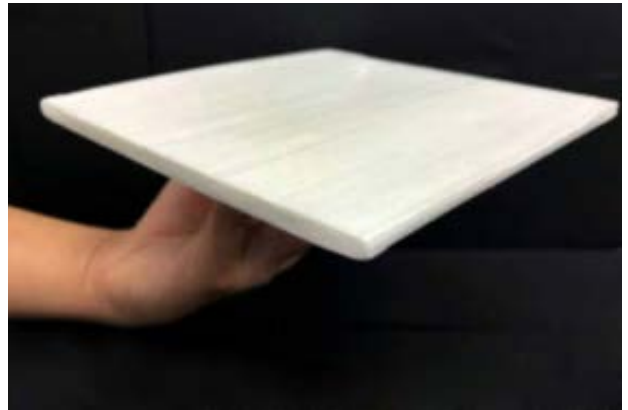
Author: Robert Dalheim- Woodworking Network

COLLEGE PARK, Md. - The research team behind "super wood" is at it again - this time engineering a wood that's capable of staying 12 degrees cooler than regular wood.

Researchers at the University of Maryland and the University of Colorado hoped to find a passive way for buildings to dump heat sustainably. The solution is wood - it is already used as a building material, and is renewable and sustainable. Using tiny structures found in wood - cellulose nanofibers and the natural chambers that grow to pass water and nutrients up and down inside a living tree - the researchers engineered wood that radiates away heat.

The UMD team soaked basswood in a solution of hydrogen peroxide, which destroys the wood's lignin. The team then used a hot press to compress the remaining cellulose and hemicellulose components together. To make it water repellent, they added a super hydrophobic compound that helps protect the wood.

Researchers tested the bright white material - which reflects virtually all incoming light - on an Arizona farm one hot and sunny afternoon. They found that the cooling wood stayed an average of 5 to 6 degrees cooler than the ambient air temperature, even during the hottest part of the day. It stayed 12 degrees cooler than natural wood, which heats up far more easily in sunlight. The team estimated that in buildings constructed since 2004, the material would save 20 percent in air conditioning costs.



In desert regions, the material could save AC costs by as much as 60 percent, says the team. The wood could also provide in relief in regions where AC is less common, like developing countries.

Wood isn't regularly used in roofing though, as it's more flammable and less durable than asphalt shingles. It also would make heating a building harder and more expensive.

The UMD team's "super wood" was popular on Woodworking Network early last year. The engineered material is more than 10 times stronger than natural wood, but six times lighter and five times thinner.

Other engineered wood materials are on the rise.

One of these new materials involves the marine tunicate, an exotic sea invertebrate often used in Asian cuisine, which has been combined with wood pulp to form a composite material that's flexible,

sustainable, non-toxic, and UV light-reflective. The material could be used in construction, food packaging, biomedical devices, cars, trucks, and boats, say researchers.

French tire maker Michelin has declared that it will begin manufacturing wood-based tires. University of Delaware researchers have developed wood-based sticky tape.

Market Report- Jan./Feb. 2019

Product	Statewide Ave. Price		Previous Ave. Price		Price/ Ton Difference	
	Weight	Volume	Weight	Volume		
Pine- Sawlogs	\$26.92/Ton	\$215.38/MBF	\$25.20/Ton	\$201.59/MBF	7%	↑
Pine-Pulpwood	\$10.77/Ton	\$29.07/Cord	\$6.87/Ton	\$18.55/Cord	57%	↑
Pine-Chip-n-saw	\$14.34/Ton	\$38.72/Cord	\$14.09/Ton	\$38.05/Cord	2%	↑
Mixed Hardwood-Sawlogs	\$34.42/Ton	\$309.77/MBF	\$30.87/Ton	\$277.83/MBF	11%	↑
Hardwood- Pulpwood	\$12.77/Ton	\$35.77/Cord	\$11.44/Ton	\$32.03/Cord	12%	↑

Texas Timber Price Trends is a bimonthly publication reporting average prices paid for standing timber in Texas. This report is intended only as a guide to general price levels. It should not be used to judge the fair market value of a specific timber sale, which may vary considerably due to many factors. It is recommended that you use the services of a professional consulting forester in managing any timber sale. Important factors affecting timber prices include the type, quality and volume of timber for sale, accessibility, distance to mills/markets, weather conditions, economy/market conditions, who is handling the sale or is buying the timber, and contract requirements by the landowner. The complete Texas Timber Price Trends can be viewed at <http://tfsweb.tamu.edu/timberpricetrends>.

USDA Announces Feral Swine Eradication and Control Pilot Program

Natural Resource Conservation Service

WASHINGTON, June 20, 2019 – USDA announced today it is offering \$75 million in funding for the eradication and control of feral swine through the Feral Swine Eradication and Control Pilot Program (FSCP) in a joint effort with USDA’s Natural Resources Conservation Service (NRCS) and Animal and Plant Health Inspection Service (APHIS). The 2018 Farm Bill included this new pilot program to help address the threat that feral swine pose to agriculture, ecosystems and human and animal health.

NRCS will direct up to \$33.75 million of the allocated FSCP funds toward partnership efforts to work with landowners in identified pilot projects in targeted areas. Applications are being accepted through Aug. 19, 2019, for partners to carry out activities as part of these pilot projects in select areas of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina and Texas. APHIS has determined that these states have among the highest feral swine population densities and associated damages in the country.

“NRCS state conservationists and APHIS state directors, in coordination with state technical committees, have identified pilot projects that can be carried out within these target states,” NRCS Chief Matthew Lohr said. “Our agencies stand ready to work with partners at the state and local levels to respond to the threat of feral swine.”

Pilot projects will consist broadly of three coordinated components: 1) feral swine removal by APHIS; 2) restoration efforts supported by NRCS; and 3) assistance to producers for feral swine control provided through partnership agreements with non-federal partners. Projects can be one to three years in duration.

“The projects selected for funding will allow APHIS and NRCS to collectively reduce the damage and disease caused by one of the most destructive and formidable invasive species in the United States,” said APHIS Administrator Kevin Shea. “Overall, this pilot program builds upon and expands work already underway by APHIS’ National Feral Swine Damage Management Program to both manage feral swine and eliminate populations in partnership with local government, the private sector, industry and academia.”

NRCS is now accepting proposals from non-federal partners to provide landowner assistance for on-farm trapping and related services as part of the pilot projects described above. NRCS will provide funding for these services through partnership agreements. The funding limit for a single award is \$1.5 million. Awardees will be required to provide at least 25 percent of the partnership agreement budget as a match to NRCS funding.

Additional information on the complete funding announcement and about specific pilot projects, including target areas and the roles for which partner assistance is being requested, can be found on the FSCP webpage.

Applications must be submitted through Grants.gov by 5 p.m. Eastern Time on **Aug. 19, 2019**.

When You Have Questions, Ask a Forester

Texas A&M Forest Service

Our "Ask a Forester" series answers questions about forest health, timber harvesting and land management to ensure that forested lands in Texas are as healthy and productive as possible.

Jason Ellis, our Jacksonville District Forester, leads the series and shares his forestry knowledge to help established, new and prospective landowners and curious learners find answers to commonly-asked forestry questions.

"Ask a Forester" is both a video series on our social media channels and a regular newspaper column in publications throughout East Texas.

To watch our latest video, "What is a shelterwood harvest?" visit:

<https://tfsweb.tamu.edu/AskaForester/>

Your Land-Your Trees-Your Choices

Southern Group of State Foresters

Southern Forests:

The South has more than 208 million acres of forestland that contain some of the most diverse and productive ecosystems in the world.

Southern forests provide clean air and water, wildlife habitat, clean energy, recreation opportunities and a stronger economy. In addition to the many wood products used for building, furniture and paper, forests produce non-timber products such as medicines, food, specialty products and pine straw.

Approximately 89% of the South's forestland is privately-owned, making it the nation's stronghold for private forestland ownership. In order to sustain healthy forests and maintain the economic viability of forestland, forest management is vital.

Benefits of Forest Management:

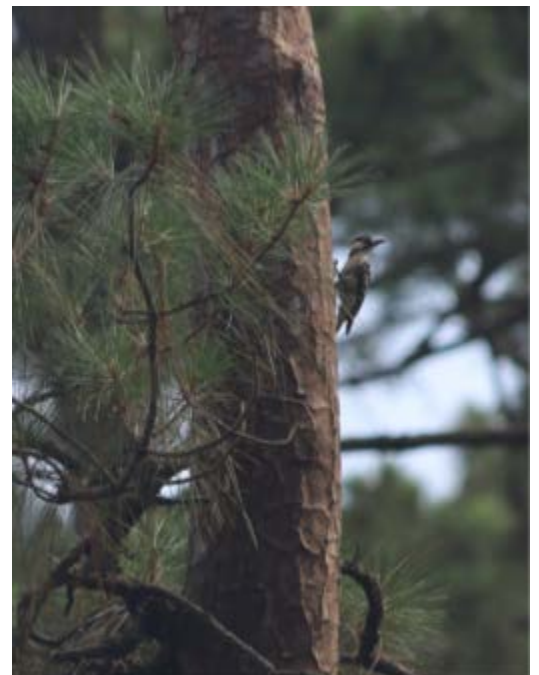
Healthier Forests

Forest management practices such as thinning and prescribed burning create healthier, more productive forests. Overcrowded trees often struggle to survive, weakening them against insects or disease. Thinning competing trees allows remaining trees to grow faster and be more resistant to pests. Prescribed burning removes competing vegetation, improves habitat for wildlife, and reduces dangerous buildup of combustible forest fuels.

Economic Gain

The South is the primary producer of timber products in the U.S. and the world. This positive environment for forest investment provides economic opportunities for landowners.

Well-managed forests generate income through timber harvests, non-timber products and a return on investments in land and forest management. Emerging markets for biofuels and carbon offset projects are creating new sources of income for landowners.



Improved Wildlife Habitat

Southern forests are productive, dynamic, and diverse, supporting a vast array of wildlife communities. Forest management can directly enhance habitat for wildlife including migratory bird species, amphibians, and black bears. Practices such as providing wildlife travel corridors and protecting cavity trees can provide a mixture of habitats that increases biodiversity.

Water quality protection

Forests produce clean water by absorbing rainfall, refilling aquifers, slowing stormwater runoff, and reducing floods. Careful management practices leave or create buffers in streamside and wetland areas to filter runoff, remove pollutants and provide tree cover to keep streams cool and improve fish habitat.

Recreation

Forest management practices can create open areas, trails and road access that can provide recreation and enhance natural beauty. Well-managed forests increase opportunities to enjoy outdoor activities such as hiking, hunting, fishing and bird watching. Observing and connecting with nature can increase mental, physical and emotional well-being. Studies show that activities such as a walk in the woods can provide a boost to the immune system that lasts two or three days.

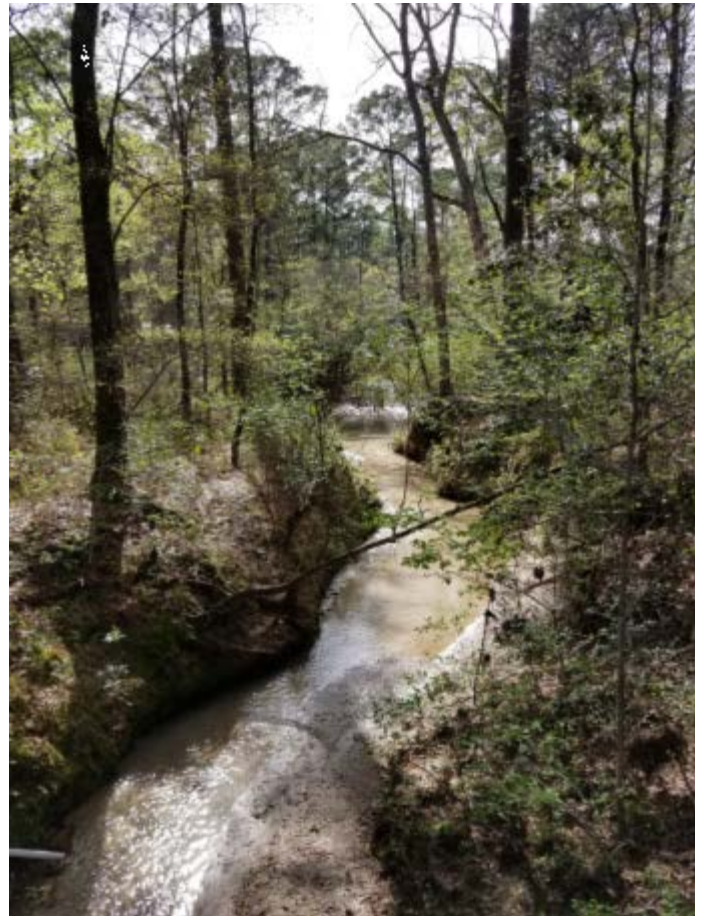
Renewable and Energy-efficient Building Products

In addition to being recyclable, wood can be produced anew for generations to come on sustainably managed forestlands. Recycling and processing wood products require much less energy than does the processing of many other non-renewable materials.

Managing your Forest:

Management helps keep your trees and forestland healthy and productive and optimizes economic, environmental and social benefits from them. Whether your objectives are profit, recreation, scenery, wildlife habitat, or preserving your legacy for future generations-- wise management can help get you there.

Professional foresters are available to prepare management plans based on your objectives and land capabilities. They can provide advice on reforestation, prescribed fire, forest health, forest taxation and best management practices for water quality and make recommendations on Forest Stewardship, Forest Legacy, Tree Farm and Cost-Share programs.



Upcoming Events

Saturday, July 13, 2019– Naturally in Nature– Forest Therapy– July Session from 8:30am-11:30 am Location: Jones State Forest. All ages are welcome to join in on a relaxing tour through the Jones State Forest with the goal of increasing physiological relaxation. To register for this event, please visit <https://www.eventbrite.com/e/naturally-in-nature-forest-therapy-tickets-55951790311>

Saturday, July 13, 2019– Naturally in Nature– Forest Therapy– July Session from 8:30am-11:30 am Location: Jones State Forest. Take an Adults only relaxing tour through the Jones State Forest with the goal of increasing physiological relaxation. To register for this event, please visit <https://www.eventbrite.com/e/naturally-in-nature-forest-therapy-tickets-55951790311>

Friday, August 9, 2019- Branching Out- A seminar for forest landowners from 9:45am–2:00pm Location: Texas Forestry Association, 1903 Atkinson Drive, Lufkin, Tx, 75901. The fee for the workshop is \$20 and lunch is included; preregistration is required. Register online at www.texasforestry.org or call 936-632-TREE. Topics include: Farm Bill Cost Share Programs; National Wild Turkey Federation Plans for Texas; Pines, Pawpaws, Pocket Prairies, and Woodpeckers in the South; Learn Plan Act Texas, a tool for engaging forest landowners.

New Feral Hog Hunting Law

Any person with the consent of the landowner may take feral hogs without a hunting license, thanks to a new law signed recently by Gov. Greg Abbot. SB 317 by State Sen. Bryan Hughes (R-Mineola) amends current law by removing the requirement that feral hogs must be causing damage on a landowner's property in order to be hunted without a license. The new law takes effect September 1. Although a small step, it will give landowner's another option in the fight against the growing hog problem.

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Tandy Wheeler, Gilmer
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NETFLA WEB SITE:

www.netxforest.org

Northeast Texas Forest Landowners Association Newsletter Quarter III 2019

Next Meeting: Saturday August 31, 2019

Summer Golden, Chief Appraiser, Morris County Appraisal District, will give the program on County Taxes, Timber/Ag Exemptions and answer questions you may have.

The meeting will begin at **10 am and be held at Luigi's Italian Café in Mount Pleasant.** Luigi's is located at 2213 W. Ferguson (TX Hwy 49). It is on the south side of the street near the intersection of Ferguson (TX Hwy 49) with the new US Hwy 271 bypass around Mount Pleasant. Momentum Motorsports is diagonal across the street.

November Program:

The Board is exploring several topics for the next program. One is to have the Pittsburg High School FFA teacher and students report on the Woodland Clinic competition. The Pittsburg team won the State Championship in the competition this year. Another is to have a game warden address hunting and trespassing issues. Please contact a board member if you have another topic that you would like addressed at a meeting.

NETFLA Contact and Membership Dues Information

Thank you for your NETFLA membership in past years. We hope that Newsletters, Programs and Quarterly Meetings have provided you with useful information that has helped you manage your timber property. We encourage you to continue your membership. Membership dues are \$15.00 per calendar year. If you had not yet renewed your 2019 Membership, an invoice was mail in early July. Please mail your check to: **NETFLA, P.O. Box 343, Daingerfield, TX 75638-0343.** Thank you.

Contact: Judy Weiss (903) 645-3782, or e-mail gjweiss@windstream.net

Northeast Texas Forest Landowners Association
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Social Media Resources

Texas A&M Forest Service on Facebook - @texasforestsERVICE

Texas A&M Forest Service on Twitter - @TXForestService

TFS Pittsburg District on Twitter - @TFSPittsburg

Texas Forestry Association on Facebook - @TexasForestryAssociation

Texas Forestry Association on Twitter - @texasforestry

American Forest Foundation on Facebook - @AmericanForestFoundation

American Forest Foundation on Twitter - @AmForestFndn



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