



**Calhoun Research  
Station**

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## Wood Enhancing Nanoparticles

### **Description:**

A new type of nanostructure has been discovered that greatly increases wood's resistance to water-related damage. The nanostructure makes any water that contacts wood to bead up and roll off the surface as opposed to seeping into it. By strengthening wood at the cellular level, this nanostructure will also protect wood from UV damage, weathering, and fungi. The nanoparticles are environmentally friendly and can be used on indoor and outdoor wood.

### **Advantage:**

- Superior waterproofing
- Protects against wood-decaying fungi
- Environmentally friendly
- Simple and cost-effective treating process

### **Commercial Uses:**

- Wood preservation for indoor and outdoor uses

### **Intellectual Property on the Web:**

[http://www.lsuagcenter.com/en/administration/about\\_us/chancellors\\_office/intellectual\\_property/](http://www.lsuagcenter.com/en/administration/about_us/chancellors_office/intellectual_property/)