BAMBOO TREATMENT PROTOCOL





BAMBOO TREATMENT MODEL SERVICE PROTOCOL

(ALWAYS READ, UNDERSTAND AND FOLLOW LABEL COMPLETELY BEFORE ANY APPLICATIONS.)

TOOLS

Adequate supply of preferred product(s):







Nibor-D®

INSPECTION TOOLS AS NEEDED

Eye protection Rubber gloves





APPLICATION EQUIPMENT AS APPROPRIATE FOR JOB

Measuring containers
Water
Containers for solution







OTHER

Possess proper credentials to perform work PPE as required by label for work being done

BAMBOO TREATMENT BACKGROUND

Introduction: Bamboo is a great building product, but without preservative treatment, products made from bamboo can only be expected to last few years. Treatment of bamboo culm with

Nibor-D can help maintain bamboo strength over time, help prevent termite attacks and help prevent decay. Nibor-D's active ingredient

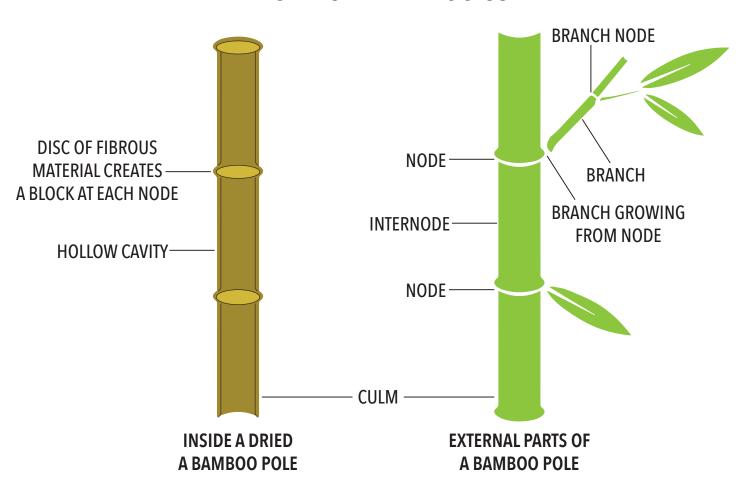




ED UNTREATED

is disodium octaborate tetrahydrate (DOT). Nibor- D has a 20% higher boron concentration than boric acid and is also far more soluble in water than boric acid, allowing for higher active concentrations - up to 15%.

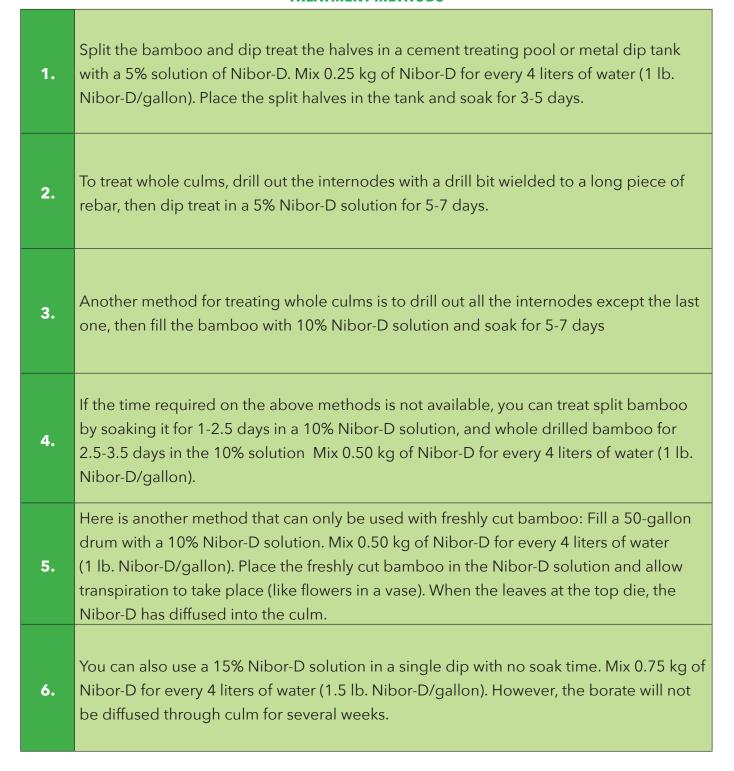
ANATOMY OF A BAMBOO CULM



SIX MAIN TREATMENT METHODS

Bamboo must be treated from the inside out. It is best to treat when the bamboo is freshly cut but can be left standing for a few days if placed on blocks or stones. Use the anatomy diagram to identify the bamboo charateristics mentioned in the treatments. There are six main methods used to treat green bamboo (right).

TREATMENT METHODS



With all these methods, the solution mix can be reused. The DOT will settle over time but if you can mix it back into solution, you can continue to use it. Additionally, you can always check bamboo to see if it is treated by using our curcumin test: simply spray the bamboo and if it turns red or orange, it has been treated with boron at sufficient levels. If it turns yellow, the boron levels are too low. If you are setting up an ongoing treatment facility you will need to check the solution concentration regularly to make sure it remains at 5%, 10% or 15% using titration analysis equipment such as Metrohm's Eco Titrator (https://www.metrohm.com/en-us/products-overview/titration/eco-titrator/).



NOTES

