

Mixing the Tim-bor Solution

STEP 1

Figure out the internal volume of the culms.

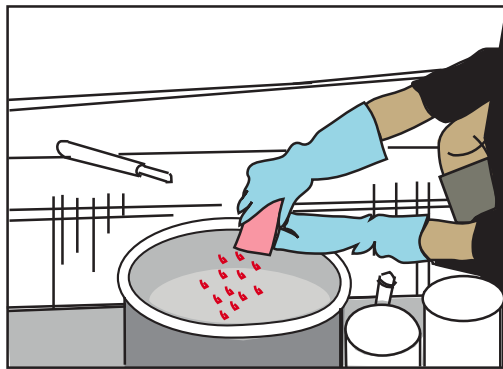
Fill one punctured culm with water and simply measure how many liters it takes to fill it up. Multiply by the number of culms.

STEP 2

Mix 1 bag of Tim-bor (25kg) with 225 liters of water. This gives a 9 to 1 or 10% weight for weight solution. Keep in mind though that the total quantity of Tim-bor solution is not 250 liters but about 5% less because when 25 kg of Tim-bor are dissolved in water its volume will be reduced.



Please also read page 23.



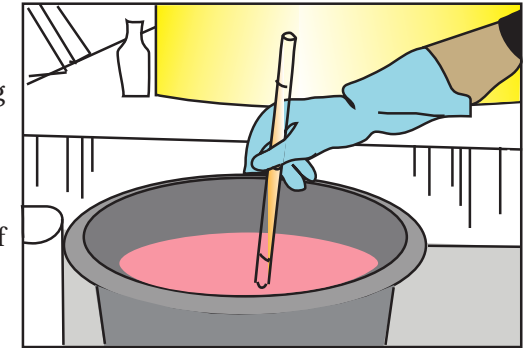
STEP 3

Add red dye and mix well.

This is done for the purpose of later identifying the treated bamboo poles

STEP 4

Slowly add water stirring constantly until Tim-bor and dye are completely dissolved and no more crystals are at bottom of container.



STEP 5

Test the solution with a salt measuring hydrometer under normal temperatures of your region. Fill a small test container with the Tim-bor solution slowly, so as to not form air bubbles.

Lower the Hydrometer into the container and give it a quick twirl, spinning the top. This will get rid of air bubbles that might have accumulated on the hydrometer. Then read the number where the solution crosses the scale like reading a thermometer: 1.052 should be reading on an well-calibrated hydrometer. If this not available make sure you measure the ingredients correctly.

