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## Tropical Indoor Tree Growing Kit

Your kit includes: All natural seeds, Coir-disk. Pot

Pot - 100% bio-degradable and compostable, fabricated from waste materials of rice, bamboo, and coconut that are typically burned releasing large amounts of carbon into the atmosphere. Converting this plant matter to useful products is an ideal way to sequester carbon that would otherwise add to greenhouse gases.

**PLANTING TREES** successfully requires a certain amount of seed preparation to replicate what occurs naturally in forests.

### Germination

As a general rule, it takes longer for tree seeds to germinate than flower, herb and vegetable seeds. To speed up germination of larger tree seeds,

1. Soak seeds for 24 hrs in water.
2. After 24 hours you can scratch outer shell of the seed with a file or sandpaper. Sometimes the seed coating needs to be cracked or the tip can be cut to let water enter and enable the embryo to break through the coat. If this is not done, germination will take longer. It is not necessary to pre-soak smaller seeds.
3. Place the eco-coir disk in a bowl and add one cup of warm water. Add more water, ½ cup at a time, until the disk is completely saturated with water. When the eco-coir has absorbed all the water it will expand to approx. 6 times its original size.
4. Slowly introduce the moistened eco-coir into your biodegradable pot evenly allowing the growing medium to aerate in the process with your hand. This will increase the volume of the moistened eco-coir.
5. Set aside one tablespoon of the growing medium.
6. Seeds can be placed on the surface of the grow mix and lightly cover with the moist growing medium that has been put aside.
7. Place plastic ('Saran') wrap over pot to simulate a green house.
8. Remove plastic wrap once the seeds start to sprout above the surface.
9. A mister can be used for watering. Don't overwater.
10. Place pot in direct sunlight for 4 or more hrs a day. If direct sunlight is not available, fluorescent lights or grow lights can be used. This is recommended for seeds that are very slow to germinate.

- The average time to germinate tree seeds is usually given in weeks. A seed that takes 2-3 weeks will usually come up fairly evenly. A seed that takes 4 -12 weeks will tend to be irregular.
- **Temperature:** Tropical tree seeds need tropical conditions to germinate. The soil temperature range should be 20°C – 32°C (70°F – 90°F); the ambient temperature can be somewhat cooler lower at about 15°C – 20°C (60°F – 70°F) at night.
- **Optional Lighting:** The use of grow lights can be of tremendous help. Grow lights can be used up to 12 hours per day.