

# Forestry & Tree Crops

**ABSORBER®**

**EARTHLEE®**

**nhance®**

**HELP!**  
your trees Survive

## Products For Forestry & Tree Crops

- **Absorber** – a water retainer with the ability to **absorb 100-200 times its weight in water** in soils and substrates. Improves aeration as it expands when water and nutrients are absorbed and contracts when releasing. This is important for **good root establishment**. Absorber provides **continuous availability of water in the root zone** and **reduces watering frequency**. Absorber degrades naturally.
- **Earthlee** – an ultra concentrated naturally occurring **Humate** powder containing 80% humic substances. Improves **soil fertility** by increasing **humus content**, **releases locked nutrients** in the soil and **encourages beneficial micro organism activity** leading to better growth.
- **nhance** – an **organic seaweed extract** which **enhances root development** with improved utilization of soil nutrients and fertilizers resulting in better growth. **nhance** reduces transplanting shock.

## Planting & Application Procedure

### Step 1 – Planting Hole

Dig a hole about the size of a 20 litre mutungi/jerrican of water and gather the dug soil in a heap.



### Step 2 – Mix Earthlee

Thoroughly mix 10-20g **Earthlee** to the dug soil. Set aside a small amount of this mixture, enough to fill the **top 5 cm** of the planting hole.



### Step 3 – Mix Absorber

There are two ways you can apply the **Absorber** either in its dry form or in a hydrated form. Hydrated **Absorber** has an advantage over dry product as moisture is available immediately. This method is ideal for planting during the dry spell.

**Mixing dry Absorber** - Mix 10-20g of dry **Absorber** thoroughly with the above mixture in step 2 making sure the **Absorber** is evenly spread throughout the mixture. The planting hole should be watered liberally for 2 weeks to allow for full water absorption of **Absorber**. Then watering could be reduced.



**Mixing Hydrated Absorber** - Thoroughly mix 2-4 Litres of the **hydrated Absorber** (refer to "How to Hydrate Absorber") to the dug soil / **Earthlee** mixture making sure the **hydrated Absorber** is evenly spread throughout the mixture.

### Step 4 – Plant Seedling

Put the seedling in an up-right position and replace the dug soil / **Absorber & Earthlee** mixture progressively into the hole making sure it is evenly distributed all around the root zone. Finally, cover the **top 5 cm** of the planting hole with the mixture of dug soil / **Earthlee** that had been set aside. This is to avoid the UV degradation of the **Absorber**.



### Step 5 – Drench nhance

Make a solution of 5mls of **nhance** in 1 Litre of water. Drench the soil around the seedling with the **nhance** solution. Apply two more **nhance** foliar sprays – the first after 4 weeks from drenching and the second after 8 weeks from drenching at the rate of 3ml **nhance** per litre of water.



  
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## Procedure For Rolling Plugs

1. Dig a hole about the size of a 20 litre mutungi /jerican of water. Thoroughly mix **10-20g Earthlee** to the dug soil.
2. Spread dry **Absorber** on a plastic sheet.
3. Roll the plugs onto the **Absorber** and place in the planting hole in an upright position. *The plugs must be moist to enable the Absorber to stick.*
4. Cover the hole progressively with the dug soil & **Earthlee** mixture.
5. Follow step 5 in the previous method.



## Nursery Potting Mixtures

### Step 1 – Mix Earthlee

Mix one cubic meter (1000 Litres) by volume of dry potting mixture thoroughly, to ensure even distribution in the potting mixture, with **1 kg of Earthlee**. For Small amounts of potting mixture, mix 20 Litres of potting mixture (one 20 Litre bucket) with **20g Earthlee**.

### Step 2 – Mix Absorber

There are **two** ways you can apply the **Absorber** either in its dry form or in a hydrated form. Hydrated **Absorber** has an advantage over dry product as it becomes immediately active after planting, thus availing the plant with instant moisture if needed.

**Dry Absorber:** The mixture in step 1 to be mixed **thoroughly** with **1 kg** of dry **Absorber**. For small amount of potting mixture, mix **20 Litres** of potting mixture (one 20 Litre bucket) with **20g Absorber**.

**Hydrated Absorber:** First hydrate the **Absorber** (refer to "How to Hydrate Absorber") and then mix thoroughly with the mixture in step 1. For small amounts of potting mixture, mix 20 Litres of potting mixture (one 20 Litre bucket) with **2 Litres** of hydrated **Absorber**.

### Step 3 – Filling Container/Pot

When filling the container/pot with the potting mix, do not fill the container/pot to the brim as space is required for the expansion of the **Absorber**.

Leave a space of **10-15%** of the container/pot size when filling, using the **dry Absorber** mixture.

When filling with the **hydrated Absorber** mixture, leave a space of 2-3cm at the top of the container/pot.

Fill the top **2-3cms** of the container/pot with plain potting mixture or potting mixture with just **Earthlee** to avoid the UV degradation of **Absorber**.

## How To Hydrate Absorber

Mix **2 kg of Absorber** in **200 Litres of water** in a 'drum' by slowly pouring the **Absorber** into the water and stirring continuously to avoid clumping of the **Absorber** particles. For hydrating small amounts of **Absorber**, mix **200g Absorber** in 20 Litres of water. Let the mixture stand for 15-20 minutes, the time needed for the **Absorber** to reach maximum absorption.

**Please Note:** the pH of the water should not be greater than 7. In case of high pH use a buffering agent.



**PLEASE READ THE PRODUCT LEAFLETS AND LABELS CAREFULLY BEFORE USING  
ALL PRODUCTS SHOULD ALWAYS BE TESTED ON A SMALL AREA BEFORE LARGE SCALE APPLICATION**