

**ERGOFITO IN ACTION**

Give Nature What Nature Wants

## Fruit Trees



ERGOFITO

[www.ergofito.co.za](http://www.ergofito.co.za)

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## ORCHARDS:

An orchard is an intentional planting of trees or shrubs that is maintained for food production. Orchards comprise fruit or nut-producing trees that are grown for commercial production.

The general health of the orchard directly translates into its yield, therefore financial income for the farmer. There are many factors that can affect the fruit tree performance in terms of yields. One of the major reasons is the continuous and often increased dosage of chemical fertilization while often neglecting the vital natural bacteriological balance. Although the types of fruit trees are numerous, the basics remain the same, the radical apparatus, the photosynthesis; the fruits they bear and the sicknesses they suffer are similar amongst many other common factors.

## SAPLINGS:

A healthy sapling will make a great difference when planting.

Saplings, like all plants, require a healthy rhizosphere to thrive. There are numerous media and fertilization approaches for saplings, but radical health is vital in all cases.

In order to ensure correct beneficial microbial activity at root level, a small dose (2 grams) of **Ergofito Universal Plus** per sapling is advisable. Apply the said dosage every 20 days for five applications or until transplanting (please refer to Ergofito Benefits Brochure for listed benefits)



*ERGOFITO Saplings on the Right. A Dramatic Improvement in Development (Health and Growth) is Clearly Visible.*

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The above application is applied by mixing **Ergofito Universal Plus** with water at a ratio of 1 grams of **Ergofito Universal Plus** to 1 gram of Water. It is advisable to reduce the usual fertilization by 30%.

As **Ergofito's** ranges of natural microbial products are not fertilizers, the same dose is applied to all type of trees.

### **FRUIT TREES APPLICATION:**

#### **GROWING TREES:**

Growing trees will benefit from a balanced rhizosphere with the correct beneficial microbial activity.

#### **Yearly application:**

Apply once a year on the ground around the tree, in the diameter of the canopy the following:

| Bio Agent            | Quantity      | Area               |
|----------------------|---------------|--------------------|
| <b>Ergostart Bio</b> | <b>125 Kg</b> | <b>Per Hectare</b> |

The above is applied with sufficient water, generally diluted 1:50, (1Kg of product to 50Kg water). **Ergostart Bio** will immediately start decomposing all inert organic matter into plant food. More importantly it will de-mineralize any accumulation in the rhizosphere that is and has suffocated the soil. It will start by converting all of the above into humus, thus rejuvenating tired soils and allowing normal and healthy root development.

| Bio Agent                      | Quantity     | Area               |
|--------------------------------|--------------|--------------------|
| <b>Ergofito Universal Plus</b> | <b>30 Kg</b> | <b>Per Hectare</b> |

The above application will ensure a superior growth and a strong preventive defense against plant sicknesses and parasitic attacks.

## **SPECIFIC APPLICATIONS:**

**Ergofito** has a series of specialized products, such as **Ergofito Boron, Ergofito Stim, and Ergofito Glucose** etc., which target specific fruits. Brix content will increase with the above recommended applications.

Soil exhaustion is the main culprit of low yields in tree plantations.

### **Soil Exhaustion**

Plants send out explorer roots to identify nourishing soil. They use a capillary element (a root hair), which explores a very small space (micro-habitat) and samples the nutrients available. If there is only enough 'food' for one root hair the plant deposits toxins along the exterior surface of this space to stop the occupied area from being explored by other capillary elements.

When the food is finished the plant makes the microhabitat toxic and sheds off its root hair. This prevents other root hairs from exploring soil that has been exhausted. Through chemical fertilization the nutrients can be replenished in the spaces but if there is not sufficient bacterial activity to detoxify the soil, these areas will still be avoided by new roots. This is why the efficiency of soil (absorption of plant nutrients) is below 15% when using chemical fertilizers.

ERGOFITO contains the enzymes and bacteria that destroy these toxins and transform poison back into food for plants. This emulates the properties of non-agricultural land that is full of organic material, high in microbiological activity and does not get affected by soil tiredness. The same applies to any soil rich in humus. Soil exhaustion does not occur where humus is present.



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