

## Soil Activar

### Introduction

**Soil Activar** is premier liquid microbial fertilizer for top dressing using, consists of synergistic microbe, organic chelating agents and growth promotants combined with specific trace elements for optimum uptake and performance. Our liquid fertilizer are 100% organic and designed to foster plant growth and development through the crop life cycle from seed germination all the way to plant maturity. This fertilizers are designed to help rebuild and maintain plant/microbe/ nutrition link, for the ongoing production of healthy, sustainable crops.



### ACTIVE INGREDIENT:

#### Bacillus Bacteria

Bacillus subtilus..... $2 \times 10^6$  cfu/g  
 Bacillus amyloliquefaceins..... $2 \times 10^6$  cfu/g  
 Bacillus licheniformis .....  $2 \times 10^6$  cfu/g  
 Bacillus thuringiensis,.....  $1 \times 10^6$  cfu/g  
 Bacillus cereus.....  $1 \times 10^6$  cfu/g

#### Trichoderma

Trichoderma harzianum.....  $3.6 \times 10^5$  cfu/g  
 Trichoderma Reesei.....  $2.4 \times 10^5$  cfu/g

**Total bacter count:  $1 \times 10^9$  cfu/g**

#### Other beneficial bacteria

Paecilomyces lilacinus.....  $1 \times 10^5$  cfu/g  
 Penicillium Bilaiae.....  $1 \times 10^5$  cfu/g

#### Total other ingredients:

Organic matter.....40%  
 Fulvic acid.....8%  
 Amino acid .....10%  
 Corn Steep Liquor Protein.....16%  
 Trace element(B, Fe, Cu, Mn、 Mo) ..... 2%

## Vigor Method

- ✓ Biological Nitrogen Fixation – The process of assimilating atmospheric nitrogen into organic compounds, especially by microorganisms.
- ✓ Phosphate Solubilization – The process of solubilizing bound phosphate in the soil and making it available for uptake by plants.
- ✓ Phytohormone Production – The process of using carbon sequestration to increase healthy plant hormones and storing carbon in the soil which drastically increases the amount of available nitrate nitrogen.
- ✓ Mobilization and Mineralization – The process of mobilizing and mineralization of soil nutrients such as salt, phosphate, magnesium, and calcium into a form that is easily used by the plant.
- ✓ Saprophytic Competence – Saprophytes live on the dead or decomposing matter. They help the microbes in Soil Vigor products to compete with native soil microbes, allowing them to better perform their intended functions.

## Benefit:

- ✓ Symbiotic relationship with nature.
- ✓ Efficiently produce a variety of substances to promote plant growth and increase yields.
- ✓ Reduce the use of inorganic fertilizers (NPK).
- ✓ Reduce the toxic chemical compounds remaining in the soil
- ✓ Enhance soil quality and fertility
- ✓ Eco-friendly and non-toxic to use around children, adults, pets, and livestock.
- ✓ Promote optimal soil pH under extreme environmental condition.

## Dosage & Method

Suitable for all kinds of crops, vegetables, Trees and palms,

Crops: Apply 60~120 Liter per acre for soil drench or in-furrow, 1:300 dilution,

Fruit trees: Apply 0.5~1 liter per trees for site dress, 1 : 300 dilution.

## Caution

This product is suitable for all kinds of crops. Please consult with your account manager for usage and dosage.

According to the local soil fertility and expected yield, apply chemical fertilizer, bacterial fertilizer and organic fertilizer as appropriate.

## **Packing and shelf life**

2 year shelf life, 20 Liter per barrel.

## **Storage**

Store in cool and dry, keep out of direct sunshine and moisture. Keep out of reach of children.