

Soil Fertil

Introduction

Soil Fertil is a premium biofertilizer containing soil enhancing *Bacillus* bacteria, *Trichoderma* fungi and other . The synergy of these biological act on the plant's rhizosphere and grow close to the root to promote healthy growth. The purpose of this product is to enhance plant growth and vigor by optimizing nutrient availability and uptake. Soil Fertil improves plant performance and yield potential by promoting better root growth and soil structure.



ACTIVE INGREDIENT:

Bacillus Bacteria

Bacillus subtilis..... 2×10^8 cfu/g
 Bacillus amyloliquefaceins..... 2×10^8 cfu/g
 Bacillus licheniformis 2×10^8 cfu/g
 Bacillus polyxyma,..... 1×10^8 cfu/g

Trichoderma

Trichoderma harzianum..... 3.6×10^6 cfu/g
 Trichoderma Viride..... 2.4×10^6 cfu/g

Total other ingredients:

Organic matter.....55%
 Amino acid10%
 Fulvic acid.....10%
 NPK 5%
 Trace element(B, Fe, Cu, Mn、 Mo) 2%

Total bacteria count..... 5×10^8 cfu/g

Working 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:

- ✓ Restores beneficial soil bacteria
- ✓ Promote plant growth and increase yields
- ✓ Reduce the use of inorganic fertilizers (NPK).
- ✓ Enhance soil health and fertility
- ✓ Degrade the chemical residues in the soil
- ✓ Enhance crop disease resistance
- ✓ Promote optimal soil pH under extreme environmental condition.

Application Rates:

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

It may be applied by itself, or combined with a variety of other fertilizer programs.

Apply 180~240 kgs per acre for crops, such as wheat, rice, corn, soybeans;

Apply 400~600 kgs per acre for vegetables;

Apply 3~5 kgs per fruit trees;

Caution

According to the local soil fertility and expected yield, apply chemical fertilizer, bacterial fertilizer and organic fertilizer as appropriate. Please consult supplier for different crops application rate

Packing and shelf life

20 / 40 kg per Polyethylene bags, Or Bulk Load

Granule type, 2 year shelf life,

Storage

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