

Bacillus pumilus

2x 10¹⁰ cfu/g bacillus pumilus supply

Introduction

Bacillus pumilus is one of Plant growth-promoting rhizobacteria (PGPR) exhibit biocontrol processes including competition, antibiosis, growth promotion, and the induction of systemic resistance in plants. Bacillus pumilus bacteria exhibits antifungal activities either through parasitism or through antibiosis process. Bacillus pumilus is capable of secreting antibiotics which are peculiar in nature. It produces antifungal compound which disrupt cell metabolism, leading to the destruction of the cell and death of the plant pathogen. It also creates a bacterial barrier on leaf surfaces, preventing pathogens such as fungi causing rust and mildew from establishing over the plant. Bacillus pumilus is also phytotonic in addition to imparting greater resistance capacity to plants against disease in general and rust disease in particular.



Specification

Bacteria count : 1 x 10¹⁰ cfu/g , 2 x 10¹⁰ cfu/g

Fineness: 60-80 mesh screen

Moisture: 8%

25 kg / bag or as per customers request

Application

Agriculture, Animal Feed, Aquaculture, Wastewater Treatment

Principle

- ✓ Produce a variety of exogenous digestive enzymes, such as xylanase, cellulase enzymes etc.
- ✓ Biologically capture oxygen and promote the growth and reproduction of good anaerobic microorganisms to maintain intestinal ecological balance;
- ✓ Enhance immune function and promote animal's disease resistance;
- ✓ Promote the development of animal intestines, and enhance the activity of endogenous digestive enzymes;

Benefit

- ✓ Promote the growth of plant root system, and enhance the capacity of root system to absorb, increase crop yield
- ✓ Can be rapidly colonized and propagated in the roots of crops to adjust the soil microecological balance
- ✓ Effectively increase the crop yield, increase the VC content and sugar content of the fruit, and improve the quality and taste of the fruit.
- ✓ Inhibition of plant pathogenic bacteria breeding in vivo and in vitro, kill harmful bacteria, reduce plant diseases and insect pests
- ✓ Curing heavy metal, reduce the heavy metal content in plant
- ✓ Avoid the soil problem by continuous cropping, improve the utilization ratio of fertilizer

Dosage & Method

- ✓ Fermentation organic fertilizer: cooperate with other microbial powder are used together, adding amount of 100-200 g/ton
- ✓ Configuration of organic fertilizer: use this product 200-300 g/mu and farmyard manure, chemical fertilizer or moderate fine soil after blending or topdressing, or water spray directly

Caution

Do not mix use with bleach, caustics, disinfectants or other chemicals

Packing and shelf life

2 year shelf life, 1 kg per foil bag, 25 kg per bag

Storage

Store in cool, dry location, keep out of direct sunshine and moisture. Once opened, should be use it within 30 days to prevent activation. Keep out of reach of children.