

## BioStart

### Seed Inoculation

#### INTRODUCTION

**Biostart** is a biological seed coating inoculants that consists of a combination of microorganisms and additives that promote plant growth. These microorganisms colonize the roots and protect the crop during the entire cultivation season. **Biostart** is designed and created to improve germination, seedling vigor, plant stand and healthy root systems to get your crops off to a great start. In this way, they contribute to higher yields, and that helps grow your business.



#### ACTIVE INGREDIENT

ACTIVE INGREDIENT: *Penicillium bilaiae*

Total bacteria count  $1.5 \times 10^9$  cfu/g

#### Troubleshooting for

- Poor Germination
- Thin Stand
- Seedling Disease
- Chemical Damage
- Slow Growth & Development

## Mode of Action

**Biostart** contains *Penicillium bilaiae* species ensure that nutrients such as nitrogen and phosphorus are much more readily available for the plant.

**Biostart** therefore helps to significantly reduce the use of fertilizers. In addition, better developed root systems make moisture in the soil more available to the plant. Eventually the soil becomes healthier thanks to the presence of beneficial microorganisms.

## Benefit:

- Health start, better emergence
- Potential yield increases
- Develop a healthier environment around the seed itself
- Optimizes root health, stress tolerance and plant vigor
- Delivers faster speed to canopy and nutrient uptake
- Reduces risk from early-season insect and disease pressure
- Helps reduce the risks of replants and the associated costs

## Dosage & Method

Dilute 3~5 times for seeds treatment,

Corn.....200~250 gram per 100 kgs seeds

Soybean.....250~300 gram per 100 kgs seeds

Wheat.....300~350 gram per 100 kgs seeds

Paddy.....300~400 gram per 100 kgs seeds

Canola.....250~300 gram per 100 kgs seeds



## Seed treatment demo:



## Caution

Seed Coat should not be considered as a replacement for pesticidal seed treatment.

Seed Coat can mix use with pesticide and fungicide.

Apply directly before sowing. Seeds can be treated and stored up to six month before sowing.

Store the treated seeds in a dark place between 8-15°C in paper or nylon bags, avoid plastic bags.

## Packing and shelf life

2 year shelf life, 1 kg per foil bag, 20 kg per carton

## Storage

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