

# BACTEL FRUT

Technical data sheet BACTEL FRUT

## 1. PRODUCT AND COMPANY IDENTIFICATION

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Product: BACTEL FRUT



## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Powder inoculant based on plant growth-promoting rhizobacteria (PGPR) carried by organic and inorganic substrates. The special combination of rhizobacteria act synergistically for the invigoration of crops and soils.

Microbial strains contained:  $5 \times 10^9$  cfu/g (total) of a mixture of the following PGPR species: *Bacillus megaterium* ( $10^9$  cfu/g), *Bacillus pumilus* ( $10^9$  cfu /g), *Bacillus licheniformis* ( $10^9$  cfu /g), *Bacillus subtilis* ( $10^9$  cfu /g), *Bacillus metylotrphicus* ( $10^9$  cfu /g).

Other ingredients: Seaweed extract (*Ascophyllum nodosum*), humic extracts from Leonardita, Aminoacids.

Inert supports (microbial carrier): Mixture of silicates and dextrose

## 3. FEATURES AND MODE OF ACTION

The product can benefit the plants through different mechanisms and provide several advantage:

- Protects the crops and promotes soil microbial activity
- Invigorating action on plants
- Eliminates fatigue problems and root atrophy
- Improved growth, flowering and crop productivity
- Increased production, quality and uniformity in the calibre of fruits

## 4. COMPATIBLE PLANTS WITH BACTEL FRUT

Most of cultivated plants of agricultural, forest and landscape interest respond positively to a product application. No limitation on the type of crop.

## 5. COMPATIBILITY WITH PESTICIDES AND FERTILIZERS

This is a live microbial product, so it is not advisable to set treatment with fungicides and pesticides active ingredients that could be harmful to the microbial strains contained in BACTEL FRUT.

Most common fertilizers are compatible with the product..

***For more information about the active principles compatible, contact the technical service***

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## 6. RECOMMENDATION FOR USE

The product is formulated to be applied by watering in horticultural plants, fruit plants, ornamental plants and herbaceous.

Dissolve the product previously in the water tank and apply by spraying or drop by drop directly to the plant root. The best time of application is after the transplant or germination. The repetitions depend on the cycle of the plant and the season of the year.

### **Indicative dose: 1-2Kg/Ha**

Multiplication of plants (seeds, nurseries and crops in pots):

By irrigation: 1gr/m<sup>2</sup> in seed

100 g per 1000 plants for containers up to 3 L. Repeat every 30 days

200 g per 1000 plants for containers up to 7 L. Repeat every 30 days

Vegetable tillage and / or transplantation

By watering after transplanting: 1 kg per hectare

Repeat after 30 days in short-cycle plants, and after 60 days for longer cycle plants.

Fruit trees and vines in transplantation:

For irrigation: 350 g per 1000 plants. Repeat every 3 months.

For the maintenance of adult plant: 500g per 1000 plants in spring and in early summer.

Lawn

500g per 1000 m<sup>2</sup>. Repeat monthly.

Apply in the evening or in the cooler hours of the day. Do not apply fungicides and herbicides.

## 7. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey powder
Granulometry:	Powder: 0-250µm
pH in water (1:5):	6
Dry matter:	97%
Relative density (H <sub>2</sub> O=1)	0.7Kg/L
Water solubility:	90%

## 8. STABILITY INFORMATION

Stable for a period of 18 months if stored in a cool, dry place, away from direct sunlight.

## 9. OTHER INFORMATION

The product is used as a natural biofertilizer for plants. The information reflected herein is referred to the product unaltered, and according to the manufacturer's specifications, being a guide to the handling, use, processing, storage, transportation and safe disposal and should not be considered a warranty or specification quality. Data expressed are based on product knowledge to date of revision of the document.

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