



#### BRAND NAME

FullBacter Soybean Inoculant  
+ Fulldoble + PGPR

#### CATEGORY

Inoculant

#### FAMILY

Biofertilizer

#### CONCENTRATION

Higher than  $1 \times 10^{10}$  at production date.

Higher than  $1 \times 10^9$  at expiration date.

#### PRESENTATION

Box containing one 2L bladder of inoculant + one 2L bladder of PGPR + one 1L bladder of fungicide for the treatment of 1000 kg of seeds.

#### DOSAGE

100 cc of inoculant per 50 kg of seeds.

100 cc of PGPR per 50 kg of seeds.

50 cc of fungicide per 50 kg of seeds



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## INOCULANT

# Combo Fullbacter Soybean + Fulldoble + PGPR

#### DESCRIPTION

#### PGPR

This is a liquid inoculant, formulated with specific *Azospirillum brasilense* bacteria. Among soil microorganism there are Rhizobia, which participate in nodule formation in leguminous plants. Although Rhizobia are the most famous, *Azospirillum brasilense* is also well-known as a nitrogen-fixing bacterium. It has the ability of interacting with cereal crops, thus producing considerable benefits that can be translated into higher crop yields.

These plant-hormone-producing bacteria (auxins, cytokinins, gibberellins) induce hormone changes in the plants, thus promoting greater root development, which is translated into increased crop yields in low fertility soils or in soils that have suffered from temporary hydric stress. In plots treated with chemical fertilizers there are crop increases due to a better use of nutrients and water, as a consequence of a well-developed root system that explores the soil better.

PGPR is beneficial to:

- Greater plant development
- Rapid germination
- Duplication of hormones
- Greater seedling emergence
- More stress tolerance
- Increased crop yields

#### Fullbacter Soja

This is an aqueous-based liquid inoculant, formulated with specific nitrogen fixing bacteria: *Bradyrhizobium japonicum*, in over 1 billion/ml of inoculant. Produced in a well-equipped lab using cutting-edge technology, Fullbacter is a highly concentrated stable and pure inoculant, without pollutants and with good field performance.

Under appropriate environmental conditions, this concentration ensures a sufficient number of bacteria per soybean seed at inoculation, which means a good nodulation in primary and secondary roots and, therefore, an excellent fixation of nitrogen. It contains additives for cell viability extension inside the packaging, and for the protection of bacteria during the critical period between inoculation and sowing.

FULLBACTER SOYBEAN is state-of-the-art: it is a completely aqueous inoculant, unique in the market due to its high concentration, with built-in bacterial protectors providing resistance to high temperature and desiccation. This inoculant can be directly applied with the seeds to the soil at sowing.

**These are the benefits of using Fullbacter Soybean:**

- Higher concentration of bacteria and stability.
- Higher bacterial survival on the seed.
- Higher fixation.
- Beneficial to germination.
- Stimulates plant growth.
- Higher adaptability under adverse environmental conditions.
- Increases plant defenses.
- Increases crop yields.

## Fulldoble

Fulldoble is a highly concentrated formula of excellent quality, which provides a protection against fungal infection at a critical stage like crop implantation. Its high performance ensures a better expression of the germination potential of seeds. It combines the contact action of Thiram with the systemic action of Carbendazim, thus controlling fungal diseases that attack seeds at sowing and after germination (seedling).

**Active Ingredients**

THIRAM (30%): Contact action fungicide. It is a dithiocarbamate compound that acts on breathing, preventing the normal oxygen uptake in pathogenic fungi. CARBENDAZIM (30%): Systemic action fungicide. It is a Benzimidazole compound that acts blocking cell division in pathogenic fungi.

**Controlled pathogen**

Efficient control over the fungi complex that cause stem canker (*Diaporthe phaseolorum var meridionalis*), damping off and soil-borne fungi (*fusarium sp*, *Rhizoctonia sp*, *Pythium sp*, *Mucor sp*, *Diplodia sp*).

## STORAGE AND MANIPULATION

Store in enclosed dry well-ventilated areas, avoiding high temperatures and away from vapors released by agrochemicals.

## RECOMMENDATION

Before using this product, it is advisable to seek professional advice from an agricultural engineer in order to assess the convenience of application, conditioning environmental factors, type of water, equipment to be used, etc.