



## 1. Introduction

**RhizoVital® 42-TB** contains spores of *Bacillus amyloliquefaciens*-strain FZB42, a non pathogen microorganism occurring naturally everywhere in the soil.

The strain *Bacillus amyloliquefaciens* FZB42 is clearly defined as natural and not genetically modified strain of *Bacillus*, which is selected out of different strains because of its broad spectrum of activity and used as plant growth-promoting rhizobacteria and biological control agent for control of various soilborne diseases.

## 2. Application

The application of *Bacillus amyloliquefaciens* – **RhizoVital® 42-TB** is eminently suitable for potatoes as well as seeding material.

Dry application!! Do not stir it up with water.

### Recommended application rate

potatoes	200 g/100 kg
flower bulbs	5 – 15 g/kg
seeds (vegetables)	5 – 15 g/kg
soil admixture	ca. 250 g/m <sup>3</sup>

## 3. Application in potatoes

200 g/dt seeds.

Powder the seeds evenly in spring with **RhizoVital® 42-TB**.

## 4. Application in seeds and flower bulbs

5 – 15 g/kg

Depending on the size of seeds as well as flower bulbs it is recommended to use 5 - 15 g *Bacillus amyloliquefaciens* **RhizoVital® 42-TB**. You have to mix it very carefully with the seeds or the flower bulbs.

## 5. Toxicology

Biological studies on various *Bacillus subtilis/amyloliquefaciens*-strains used as biocontrol agent including acute studies and aqua toxicology studies showed no harmful effects.

Neither phytotoxic nor phytopathogenic effects were observed in greenhouse and field trials in Germany.



## **6. Safety Precautions**

Wash hands and exposed skin before eating, drinking or smoking and after work.  
Wear respiratory protection when handling powders or very volatile materials or spray overhead.

Keep it far from children.  
Read the Material Safety Data Sheet.

## **7. Transport information / storage information**

### **transport:**

No special demand.

### **storage:**

Keep it far from children and unauthorised persons.  
Do not store it together with food, pharmaceutical or fodder.  
The Formulation is stable for more than one year at 20°C, if not opened.  
Store it dark and cool.  
In combination with chemical substances the stability is not proved and no guarantee is given.

## **8. Waste disposal**

Do not use empty packaging again.  
Dispose of empty and swilled packaging in compliance with administrative regulations.

## **9. Disclaimer**

The uses as discibed have not necessarily been approved by any regulatory authority. This Technical Information sheet in no way constitutes a recommendation to apply *Bacillus amyloliquefaciens* for unregistered uses.