



1. Introduction

FZB24® WG contains spores of *Bacillus amyloliquefaciens*-strain FZB24, a non pathogen microorganism occurring naturally everywhere in the soil.

The strain *Bacillus amyloliquefaciens* FZB24 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* – **FZB24® WG** is eminently suitable for potatoes as well as seeding material.

How to use

Admix the needed volume of **FZB24® WG** with the triple volume of water and stir it. (e.g. 250 g **FZB24® WG** and 750 ml Water) → premixture

The premixture must be stirred with the needed volume of water → Ready-To-Use-Application
Before application stir up the mixture again to avoid subsidence of suspended parts. Use the solution within a few hours.

3. Application in potatoes

Seed dressing while setting the seed potatoes.

Application rate

250 g **FZB24® WG** /80 l water/ha.

For a volume of seeds of e.g. 25 dt/ha it is recommended to use 1 l premixture of **FZB24® WG** / ha (complies 250 g **FZB24® WG** in 750 ml water) diluted in 80 l water/ha.

4. Application in ornamental plants, tomatoes, cucumbers, kohlrabi e.g.

The treatment has to happen preventative.

How to use

Application rate: 0,2 g **FZB24® WG** / 1 l water

Drench the plants with 0,02 % - solution → 1 – 2 l/m².

Ideal strategy

1. Treatment while sowing by watering
2. Treatment after pricking by watering
3. Treatment while plantation by watering
4. Treatment 4 – 6 weeks after plantation by watering

Most important are treatments 2 and 3!



5. Seed treatment

Application rate: 1 g **FZB24® WG** /1 l water.

Dip seeds for about 10 minutes in the 0,1 % solution. Then dry it for the later sowing.

For the pelleting it is recommended to use 50 – 150 g **FZB24® WG** in dependant of the size of seeds. Stir it up in the necessary volume of liquid.

6. 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.

7. 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.

8. 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.

9. Waste disposal

Do not use empty packaging again.

Dispose of empty and swilled packaging in compliance with administrative regulations.

10. 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.