



GROUP BM 02 FUNGICIDE

A flowable for seed treatment containing 50 g/L ( $1 \times 10^{10}$  CFU/ml) *Bacillus amyloliquefaciens* subsp. *plantarum* strain D747 for the control of take-all in winter and spring cereals.

#### TOLTEK

A flowable concentrate for seed treatment containing 50 g/L ( $1 \times 10^{10}$  CFU/ml) *Bacillus amyloliquefaciens* subsp. *plantarum* strain D747

Wash thoroughly after handling.

If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container to a licensed hazardous waste disposal contactor or

collection site except for empty, triple rinsed, clean containers which can be disposed of as non-hazardous.

*Bacillus amyloliquefaciens* subsp. *plantarum* strain D747 may have a potential to provoke sensitising reactions.

**To avoid risks to human health and the environment comply with the instructions for use.**

PCS 07048

#### SEED TREATMENT

Net content  
**30L**

#### PROTECT FROM FROST

Production date / Batch number:  
see packaging



**For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone Carechem 24 EU: +44 (0)1235 239670**

For technical and non-emergency calls  
phone +44 (0)845 373 0305

#### Authorisation Holder

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### IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS A FUNGICIDAL SEED TREATMENT

Crops:	Maximum individual dose	Maximum number of treatments	Latest time of application
Winter and spring wheat, barley, triticale and spelt	0.5 L product per tonne seed	1 per crop	Immediately prior to drilling (BBCH 00)

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

### SAFETY PRECAUTIONS

#### Operator Protection

The product should not be used by immunodeficient subjects or subjects under treatment with immunosuppressive agents. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces. Avoid contact with skin and eyes. Wash thoroughly after handling.

#### Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water/avoid contamination via drains from farmyards and roads. To protect birds/wild mammals the treated seed must be entirely incorporated in the soil; ensure that the product is also fully incorporated at the end of rows. To protect birds/wild mammals remove spillages.

#### Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF REACH OF CHILDREN. STORE IN A SECURE DRY; COOL AND WELL-VENTILATED PLACE, preferably within a temperature range of 5°C to 20°C. DO NOT STORE FOR PROLONGED PERIODS IN DIRECT SUNLIGHT. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. The product should be homogenised before use. DO NOT RE-USE CONTAINER for any purpose.

DIRECTIONS OF USE

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

TOLTEK® is a fungicidal seed treatment based on the bacteria: *Bacillus amyloliquefaciens* subsp. *plantarum* strain D747, for the control of take-all (*Gaeumannomyces graminis* var. *tritici*), a soil-borne disease affecting winter and spring cereals.

TOLTEK reduces the intensity of root necrosis and therefore the occurrence of white ears. This results in variable protection of yield and crop quality depending on the intensity of the attack. However, in case of severe attacks, symptoms of white ears may remain. TOLTEK shows excellent selectivity.

CROPS, APPLICATION RATES AND APPLICATION TIMING

Winter and Spring Wheat, Barley, Triticale, and Spelt

**Maximum individual dose:** 0.5 L product per tonne seed

**Maximum number of treatment:** 1 per crop per year

**Diseases controlled:** Take-all (*Gaeumannomyces graminis* var. *tritici*)

**Timing:** Immediately prior to drilling (BBCH 00)

**Water Volume:** Minimum water volume of 600 L

Certis Belchim BV recommends the use of this product only on the crops and targets mentioned in the above table and according to the recommendations for use and, as such, takes no responsibility concerning the extension of its use to other crops and targets.

APPLICATION

In order to recirculate the product in the container, agitate the contents thoroughly before use.

**Warning:** Containers greater than 20 L capacity should be handled only with mechanical assistance.

Apply TOLTEK simultaneously with a standard seed treatment using a recommended seed treatment machine which has been accurately calibrated to obtain the correct dose rate. Apply water as necessary to optimise coverage. Only apply TOLTEK using an approved seed treatment equipment. For a list of approved equipment, contact your Certis Belchim BV representative.

After use, thoroughly clean the application equipment using clean water.

**For information on the compatibility of TOLTEK with any other material, consult your Certis Belchim BV representative.**

RESISTANCE

Integrate TOLTEK into a disease management strategy that follows practices known to reduce disease development and prevent fungicide resistance. Resistance is thought unlikely to occur due to the mode of action of TOLTEK. *Bacillus amyloliquefaciens* subsp. *plantarum* strain D747 is classified by Fungicide Resistance Action Committee (FRAC) in group BM 02, having multi-site contact activity with multiple effects and is thus considered low risk. However, as part of a resistance management strategy, to avoid resistance build-up within the targeted pathogens,

TOLTEK should always be used according to label and respecting the following instructions:

- In a general manner, the repeated use, on the same plot, of preparations based on active substances of the same chemical family or having the same mode of action, can lead to the appearance of resistant organisms. To reduce this risk, the user must first reason with agronomic practices and respect the conditions of use of the product.
- It is advisable to alternate or combine, on the same plot, preparations based on active substances of different chemical families or with different modes of action, both on seed dressing and in rotation.

Company Advisory Information

**CONDITIONS OF SUPPLY:** The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller’s standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

SAFETY PRECAUTIONS FOR TREATED SEED BAG LABEL

THIS SEED HAS BEEN CHEMICALLY TREATED.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when handling treated seed.  
DO NOT USE TREATED SEED as food or feed.  
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.  
KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.  
WASH HANDS AND EXPOSED SKIN before meals and after work.  
To PROTECT BIRDS/WILD MAMMALS THE TREATED SEED MUST BE ENTIRELY INCORPORATED IN TO THE SOIL; ENSURE THAT THE PRODUCT IS ALSO FULLY INCORPORATED AT THE END OF ROWS.  
TO PROTECT BIRDS/WILD MAMMALS REMOVE SPILLAGES.  
DO NOT SOW TREATED SEED FROM THE AIR.