

BONI PROTECT®

MAPP 19233

A water dispersible granule (WG) containing 5×10^9 CFU/g of *Aureobasidium pullulans* [strains DSM 14940 und DSM 14941] for the reduction of storage rots (Gloesporium rot (caused by *Neofabraea* spp.), *Penicillium expansum*, *Monilinia fructigena* and *Botrytis cinerea*) in apple, pear, quince and medlar.

Classification according Fungicide Resistance Action Committee (FRAC): FRAC Code: NC.

Pack size: 1.5 kg

Batch number/date of manufacture: please refer to package

Storage and handling:

Over the long term, storage loss of viable cells occurs more rapidly at ambient temperatures compared to cooler temperatures ($\leq 8^\circ\text{C}$), so storing the product at cold temperatures up to 8°C is preferable.

From date of manufacture, 18 months at room temperature ($\leq 20^\circ\text{C}$), 30 months at cold storage ($\leq 8^\circ\text{C}$).

Distribution only in original container.

Store in tightly closed containers in a cool and dry place.

The Control of Substances Hazardous to health (COSHH) Regulations may apply to the use of this product at work.

Authorisation Holder:

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IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE.

Crop	Pome fruit (Apple, Pear, Quince, Medlar)
Maximum individual dose	1.5 kg/ha
Max. no. of applications	4 per year
Maximum total dose	6 kg/ha
Latest time of application	1 days before harvest
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.	

P101: If medical advice is needed, have product container or label at hand.
P261: Avoid breathing dust.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear protective gloves.
Contains Aureobasidium pullulans. May produce an allergic reaction.

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

SAFETY PRECAUTIONS

Contains *Aureobasidium pullulans* [strains DSM 14940 und DSM 14941]. May produce an allergic reaction.

Microorganisms may have the potential to provoke sensitizing reactions

Operator protection

Avoid contact with eyes

Avoid needless contact with the product. Misuse can lead to injury of health.

First-Aid-Measures:

After inhalation: Supply fresh air.

After skin contact: Remove contaminated clothes, wash the affected skin with water and soap.

After swallowing: If symptoms of indisposition persist, seek medical advice.

After eye contact: Rinse opened eyes immediately with plenty of water for at least 10 minutes. If irritation persists, seek medical advice.

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.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER THOROUGHLY and dispose of safely.

DIRECTIONS FOR 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.

BONI PROTECT® is a preventive fungicide for the reduction of storage rots in pome fruit.

Warnings

Thorough and even coverage of the fruits is crucial.

The spraying suspension should be stirred during application.

The crop safety for pome fruits is only substantiated for the use on apple against storage diseases.

Perform a test spray before the product is used on a large scale on other pome fruits.

PRODUCT BENEFITS

Product suitable for organic farming according to REG n° 834/2007.

For Integrated Pest Management (IPM) and organic farming.

Pests Controlled

BONI PROTECT® is for the reduction of the following storage rots: Gloesporium rot (caused by *Neofabraea* spp.), *Penicillium expansum*, *Monilinia fructigena* and *Botrytis cinerea* in Pome Fruit (Apples, Pears, Quince and Medlar)

Resistance management

BONI PROTECT® contains *Aureobasidium pullulans*, which is FRAC Code: NC. The mode of action of the active substance is based on its antagonistic activity by competing successfully with pathogens for nutrients and space, therefore the risk of resistance development to this active is low. BONI PROTECT® may be used in integrative pest management strategies to help minimize the risk of resistance development.

Crop specific information

Crop	Pome Fruit: Apples, Pears, Quince and Medlar
Disease to be controlled	Gloesporium rot (caused by <i>Neofabraea</i> spp.), <i>Penicillium expansum</i> , <i>Monilinia fructigena</i> and <i>Botrytis cinerea</i>
Application rate	Apply 0.5 kg/ha per 1 m canopy height, with a maximum rate of 1.5 kg/ha
Application timing	Preventive applications during the ripening period between BBCH 81 (Beginning of ripening: first appearance of cultivar-specific color) and BBCH 89 (Fruit ripe for consumption: fruit have typical taste and firmness).
Application Volume	500-1500 L water/ha. Apply 500 L per 1 m canopy height
Max. number of applications per year	4
Pre-harvest interval	0 days

*Where tree height and canopy density is reduced, the dose (and water volume) should be adjusted in accordance with an appropriate dose adjustment scheme. Consult your specialist advisor for further information.

Compatibility

BONI PROTECT® contains a living organism which may be sensitive to some fungicides; tank mix applications (particularly with fungicides) should be avoided. During the ripening period, incompatible products should not be used within 3 days before or after the BONI PROTECT® application. Further information, the material safety data sheet and a detailed compatibility list are provided at: www.bio-ferm.com.

Mixing

1. Clean the tank before using.
2. Do not prepare highly concentrated premixtures.
3. Add water to the tank. Do not use hot water.
4. Add BONI PROTECT® to the water while agitating.

Apply the spray mixture while maintaining agitation. Use spray suspension within 8 hours. Do not leave leftovers in the tank.

~~Do not use hot water for preparing the spray suspension. Shake before using. Clean the tank before using. Use spraying suspension within 8 hours. Do not leave leftovers in the tank.~~

On emptying the container, rinse thoroughly three times. Add washings to the spray tank while filling. Wash out sprayer thoroughly immediately after use. Dispose of container safely.

COMPANY ADVISORY INFORMATION

This section is not part of the product label under the Plant Protection Products Regulations 2011, but provides additional advice on the use of the product.

WARNING

The recommendations and information we have provided are a result of extensive and thorough tests and studies. However, there are many factors during application that remain beyond our control (mixture preparation, usage, weather conditions, etc.). Thus, we shall only accept liability for ensuring the consistent quality in line with the product specification. The risk of possible damage (inefficacy, toxicity, tank mixes, etc.) resulting from inappropriate or improper usage or caused by factors beyond our control (such as inappropriate storage) shall be solely borne by the user. We also exclude – to the extent permitted by law – liability for any direct or indirect consequences or damage.

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