

BOTECTOR®

MAPP 20000

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

A water dispersible granule formulation containing 2.5*10⁹ CFU/g (500 g/kg) *Aureobasidium pullulans* strain DSM 14940 and 2.5*10⁹ CFU/g (500 g/kg) *Aureobasidium pullulans* strain DSM 14941 for the reduction of *Botrytis cinerea* in wine grapes, table grapes and strawberries and reduction of *Botrytis cinerea* and *Monilinia spp.* in stone fruits.

SAFETY PRECAUTIONS

Operator protection

Operators must WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product or applying the product. *Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Microorganisms may have the potential to provoke sensitizing reactions.

AVOID ALL CONTACT/BY MOUTH/WITH SKIN/EYES.

WASH SPLASHES/ANY CONTAMINATION from skin or eyes immediately.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and 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.

To protect aquatic organisms and non-target plants do not apply on impermeable surfaces such as asphalt, concrete, cobblestones, railway tracks and other situations with a high risk of run-off.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements. DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 10 metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment* for Pesticides (LERAP) permits a narrower buffer zone, or within 5 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

*This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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.

Storage and handling

From date of manufacture, 18 months at room temperature (≤20°C),

30 months at cold storage (≤8°C).

Distribution only in original container.

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

Maintain agitation throughout application.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crop	Wine Grapes / Table Grapes	Strawberries	Cherries, Plums, Apricots, Peaches and Nectarines
Maximum individual dose	1 kg/ha	1 kg/ha	2 kg/ha
Max. no. of applications	4 (see other specific restrictions)	6 (see other specific restrictions)	6 (see other specific restrictions)
Maximum total dose	4 kg/ha	6 kg/ha	12 kg/ha
Latest time of application	1 day before harvest		
Other specific restrictions	2 days interval between each application		

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.

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

If medical advice is needed, have product container or label at hand.

Avoid breathing dust.

Do not eat, drink, or smoke when using this product.

Wear protective gloves, protective clothing.

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

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

Authorization holder:

SAN Agrow Holding GmbH
Industriestraße 21,
3130 Herzogenburg, Austria
Tel: +43 2782 83300



Marketing company:

Masstock Arable (UK) Limited
Andoversford, Cheltenham,
Gloucestershire, GL54 4LZ
Tel.: 01242 821 100

For advice on medical emergencies, fires or major spills:
01865 407333

1 Kg

Batch number/date of manufacture: please refer to package

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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.

Warnings

CONSULT PROCESSOR BEFORE USING ON CROPS FOR PROCESSING

Thorough and even coverage of the fruits is crucial.

The spraying suspension should be agitated during application.

Product benefits

Product suitable for organic farming according to Reg. n° 2018/848.

No development of pathogen resistance. Harmless to bees.

For Integrated Pest Management (IPM) and organic farming.

Pests controlled

BOTECTOR® is a fungicide which provides reduction of grey mould (*Botrytis cinerea*) in fielded grown table and wine grapes, strawberries, cherries, plums, apricots, peaches and nectarines. Limited effectiveness data indicated reduction of Blossom wilt, spur caker and brown rot (*Monilinia laxa*, *Monilinia fructicola*, *Monilinia fructigena*) in cherry, plum, apricot and peach.

Resistance management

BOTECTOR® 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 or cross-resistance development can be expected to be low. Used in integrated pest management strategies BOTECTOR® is a useful tool to help minimize the development of resistance development.

Crop specific information

Crop	Wine Grapes / Table Grapes	Strawberries	Cherries, Plums, Apricots, Peaches and Nectarines
Disease to be controlled	Grey mould (<i>Botrytis cinerea</i>)		
Application rate	1 kg/ha	1 kg/ha	0.5 kg/ha per 1 mch
Application timing	Preventive applications during the ripening period between BBCH 68 (80% of flowerhoods fallen) and BBCH 89 (Berries ripe for harvest)	Preventive applications during the ripening period between BBCH 61 (Beginning of flowering: about 10% of flowers open) and BBCH 89 (Second harvest: more fruits coloured)	Preventive applications during the flowering and the ripening periods between BBCH 59 (Most flowers with petals forming a hollow ball) and BBCH 89 (Fruit ripe for consumption: fruit have typical taste and firmness)
Application volume	400 - 1000 L	400 - 2000 L	500 L/ha per 1 mch
Max. number of applications per year	4	6	6

Pre-harvest interval	1 day	1 day	1 day
Qualified Recommendation	-	-	Limited effectiveness and crop safety data indicate a reduction of Blossom wilt, spur canker and brown rot (<i>Monilinia laxa</i> , <i>Monilinia fructicola</i> , <i>Monilinia fructigena</i> .), in Cherry, Plum, Apricot and Peach. Conditions of in the 'important information' box must be followed' a maximum individual dose of 2.0 kg/ha, 6 applications per crop.

Compatibility

BOTECTOR® contains a living organism which may be sensitive to some pesticides; tank mix applications (particularly with fungicides not compatible) should be avoided. Further information, the material safety data sheet and a detailed compatibility list are provided at: www.san-agrow.com.

Mixing

1. Clean the tank before using.
2. Do not prepare highly concentrated premixtures such as thick slurries.
3. Add water to the tank. Do not use hot water.
4. Add BOTECTOR® to the water slowly or stepwise while constantly agitating.

The spraying suspension should be agitated during application. Use spray 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 : 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.

WARRANTY

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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