

Not for resale - For growing media inclusion only

PRESTOP[®]

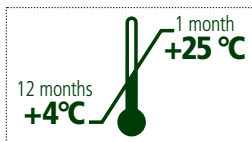
MAPP 19458

PRESTOP[®] is a biofungicide for moderate control of gummy stem blight (*Didymella* sp.), grey mould (*Botrytis* sp.), damping-off and root diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* spp. on all edible crops and all non-edible crops (protected) and outdoor strawberry. It can be applied via drip irrigation, by growing media incorporation, as a drench treatment or as a foliar spray treatment.

This product is a biofungicide: a 32% w/w wettable powder containing a nominal 2×10^8 CFU/g product of the micro-organism, *Gliocladium catenulatum* strain J1446.

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5 kg



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

Batch number and production date printed/stamped on product package

9.LK11KB3-11/20



LALLEMAND PLANT CARE



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DIRECTIONS FOR USE

Operator protection

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.

PRESTOP® is a biofungicide: a 32 % w/w wettable powder containing a nominal 2x10⁸ CFU/g product of the micro-organism, *Gliocladium catenulatum* strain J1446, a selected strain of a naturally occurring soil fungus. PRESTOP® is not genetically manipulated.

Restrictions and warnings

- Not to be used on unrooted cuttings.
- Micro-organisms may have the potential to provoke sensitising reactions.

Crop recommendations

PRESTOP® is for use on all edible crops and all non-edible crops (protected) and outdoor strawberry.

Disease control

PRESTOP® has multiple modes of action against gummy stem blight (*Didymella* sp.) on cucumber, grey mould (*Botrytis* sp.) and damping-off and root diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* spp. on all edible crops and all non-edible crops (protected) and outdoor strawberry.

- the *Gliocladium* sp. fungus deprives plant pathogenic fungi of living space and nourishment by colonizing plant roots or foliage in advance of the pathogens.
- the *Gliocladium* sp. fungus acts as a hyperparasite on harmful fungi by producing enzymes, which break down the cell walls of the pathogenic fungi.

Best conditions for product

PRESTOP® should be used preventatively, so that the *Gliocladium* sp. fungus has enough time to colonize plant roots or foliage prior to the pathogens.

CROP SPECIFIC INFORMATION

GROWING MEDIA APPLICATIONS

For the moderate control of damping-off and root diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* spp. on all edible crops and all non-edible crops (protected) and outdoor strawberry. PRESTOP® may be applied by spraying or drenching, through drip irrigation or by mixing into the growing medium.

Timing

PRESTOP® should be used preventatively. Treat growing media at sowing, transplanting and/or planting stage. Repeat the treatment at the intervals of 4 to 6 weeks. Use the shorter interval under conditions of moderate to high disease pressure.

Mixing and Application

PRESTOP® must always be used as an aqueous suspension. Follow the correct guidance instructions provided within this label.

Drench treatments may be applied via drip irrigation systems through a mixing tank or via a separate injection pump.

- Growing media incorporation: when incorporating PRESTOP® into the growing medium use 200-500 g of PRESTOP® per 1,000 litres of the medium. Mix the powder first with water in order to make sure of a uniform distribution of the product into the medium.

Always adjust the volume of water according to the moisture content of the growing media. Use the higher rate of PRESTOP® in the case of a risk for high disease pressure or big root volume. The lower rate is used when mild disease infection is expected, or for small root volume.

COMPATIBILITY

PRESTOP® is a biological fungicide and may be affected by residues of or subsequent applications of other pesticide products. Consult the manufacturer or distributor regarding compatibility of other chemical or microbial products within a pest or disease control programme.

Do not tank-mix PRESTOP® with any chemical pesticides or concentrated fertilizer solutions. PRESTOP® does not harm beneficial insects and can be used in integrated pest and disease control systems.

PRESTOP® has been used on a wide range of crops under a range of conditions and no phytotoxicity has been observed.

RESISTANCE AND STORAGE

PRESTOP® has not been reported to have to cause any disease resistance. However, it is good practice to use such products as components of Integrated Pest Management (IPM) systems, alternating with other control measures. This is particularly important for sequential crops.

PRESTOP® is a biological preparation containing dried living fungal spores and mycelium. PRESTOP® will keep unopened for one year if stored in cool, dry conditions below +4 °C. Since PRESTOP® powder is hygroscopic, it is recommended to use the whole contents of the package immediately once opened to prevent caking of the product. Alternatively, the opened package can be closed tightly and put in the freezer until the rest of the powder will be used.

PRESTOP® is a registered trademark of Danstar Ferment AG, Switzerland.

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STORE BELOW +4 °C

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

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/ HORTICULTURAL FUNGICIDE

USER: Professional

Crops/ situations	Maximum individual dose	Maximum total dose	Maximum number of treatments	Latest time of application
Strawberry	6 kg product/ ha	-	3 per crop (see Other Specific Restriction 1)	Before the end of flowering
All edible crops (protected), all non edible crops (protected)	500 g product/m ³ compost or soil (incorporated into growing medium)	-	1 per batch of growing medium	-
	AND/ OR	-	-	-
	See Other Specific Restriction 2 (applied as a spray/ drench)	-	See Other Specific Restriction 3	-

Other Specific Restrictions:

- 1) A minimum interval of 7 days must be observed between applications.
- 2) The maximum concentration must not exceed 500 g product per 100 litres water when applied as a spray or drench.
- 3) A minimum interval of 3 weeks must be observed between applications to crops other than strawberry.

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

SAFETY PRECAUTIONS

Operator protection

- Wear suitable protective clothing (coveralls), suitable gloves and respiratory protective equipment* when handling the concentrate or applying the product. *With disposable respirator filter to at least EN 149 PPF2 or equivalent.
- However, engineering controls may replace personal protective equipment if a COSHH assessment (UK only) shows they provide an equal or higher standard of protection.
- If exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.
- Do not eat, drink or smoke when using the product.
- Do not get in eyes or on skin.
- IF ON SKIN or IF IN EYES: Rinse cautiously with water for several minutes.
- Wash hands and exposed skin 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).

Storage and disposal

- Keep away from food, drink and animal feedstuffs.
- Keep out of reach of children.
- Store in a closed container in a dry place.
- Dispose of contents/container to a licenced hazardous waste disposal contractor or collection site except for clean empty containers which can be disposed of as non-hazardous waste.

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Operator protection

- When used via broadcast air-assisted sprayers, spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer.
- 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.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

Environmental protection

- Since there is a risk to aquatic life from use, users not applying the statutory buffer zone must either themselves carry out, or ensure that someone else has carried out a Local Environment Risk Assessment for Pesticides (LERAP) on their behalf before each spraying operation from a broadcast air-assisted sprayer. For broadcast air-assisted applications to wine grapes, table grapes and hops users must not allow direct spray from such sprayers to fall within 10m of the top of the bank of any static or flowing waterbody or within 5m of a ditch which is dry at the time of application.
- The LERAP indicates that a narrower buffer zone will be sufficient. Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.
- Spray must be aimed away from water.



LALLEMAND PLANT CARE

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