LALLEMAND

LALLEMAND PLANT CARE

The MICROORGANISM SPECIALIST

PRESTOP®

Naturally fight against above ground-diseases *(Botrytis* and *Didymella)* and root or base rot diseases *(Pythium, Phytophthora, Rhizoctonia* and *Fusarium)*

Prestop® contains mycelia and spores of *Gliocladium catenulatum* strain J1446, a naturally occurring soil fungus, selected through Lallemand Research for its capacity to control a range of very important crop diseases.



Gliocladium catenulatum strain J1446

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BENEFITS

Prestop® can give effective control of a wide variety of plant pathogens:

- **Grey mould and stem cankers** caused by *Botrytis cinerea* on leafy crops, tomatoes, peppers, cucumbers, aromatic plants, ornamentals, strawberries and other soft fruit.
- **Gummy stem blight** caused by *Didymella* sp. on cucumbers.
- **Damping-off and root or base rot diseases** caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* on vegetables, salads, aromatic plants and ornamentals.

MODE OF ACTION

The active fungus *Gliocladium catenulatum* strain J1446 operates through several useful modes of action:



Gliocladium catenulatum strain J1446 grown on SDA petri dish.

1. **Hyperparasitism:** production of enzymes which cause the breakdown of cell walls of plant pathogens.



Gliocladium catenulatum parasitising *Rhizoctonia solani*

2. **Competition:** quick colonisation of root and aerial parts of the plants depriving pathogenic fungi of living space and nourishment.



Gliocladium catenulatum quick colonisation

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PRESTOP®

foliar spraying

application to roots

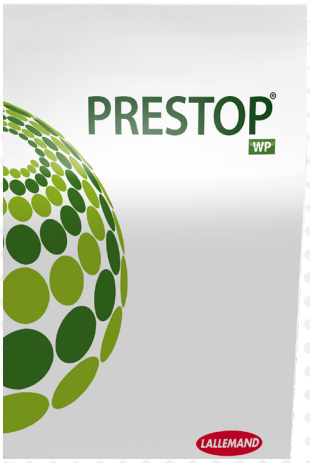
SPECIFICATIONS

- **Composition:** 2x10^8 CFU/g (320 g/kg of active ingredient) of spores and mycelium of *Gliocladium catenulatum* strain J1446.
  (CFU: Colony Forming Unit. Unit of measure for living microorganisms able to multiply)
- **Formulation:** wettable powder.
- **Storage:** can be stored unopened for 12 months in a cool and dry place below +4°C. It is recommended that all of the contents of the package are used immediately once opened.
- **Organic Agriculture:** usable in organic production subject to certification body approval.
- **Harvest interval:** none.
- **Harmful residues:** none.

COMPATIBILITY

Prestop® is compatible with many chemical pesticides and can be used in Integrated Pest Management (IPM) programmes.

Ask your distributor before mixing with plant protection products.



1 kg bag

APPLICATIONS

The most efficient way to use Prestop® is preventatively. The active microorganism survives in the rhizosphere and on the aerial parts of plants for several weeks, protecting them against pathogens.

- **Dose rate & frequency:**

	Maximum individual dose	Maximum total dose	Maximum number of treatments	Latest time of application
Strawberry (Protected & Outdoor)	6 kg/ha	—	3 per crop See Other Specific Restriction 1	Before the end of flowering
All Protected Edible Crops	500 g/m^3 compost or soil (incorporated into growing medium)	—	—	—
All Protected Non Edible Crops	500 g/m^3 compost or soil (incorporated into growing medium)	—	1 per batch of Growing Medium	—
All above See Other Specific Restriction 2	500 g/100 L water (applied as a spray/drench)	—	—	—

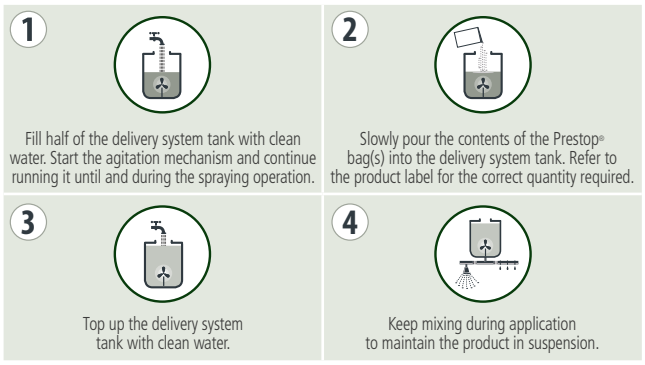
Other Specific Restrictions:
(1) A minimum interval of 7 days must be observed between applications.
(2) The maximum concentration must not exceed 500 g product per 100 litres water when applied as a spray or drench.
(3) A minimum interval of 3 weeks must be observed between applications to crops other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

Information provided above is compiled from details within the AUTHORISATION FOR A PLANT PROTECTION PRODUCT (PPP), PPP REGULATION (EC) N°1107/2009, Authorisation N°2241 of 2015, MAPP N°17223 (Registration holder: Verdera Oy).

There is a wide ranging Extensions of Authorisation for Minor Use (EAMU) in the UK (Numbers: 2773/15 and 2843/18 under MAPP Number: 17223) for Prestop®.

It is essential that the finer details of the EAMU are studied with great care in order to guide exactly how to use the product correctly.

- **Preparation:**



Manufactured for :

LALLEMAND PLANT CARE
DANSTAR FERMENT A.G.
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Switzerland

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