



Protect

BIOLOGICAL FUNGICIDE FOR ORNAMENTAL PLANTS

PRESTOP®



PRESTOP is a unique, patented and approved biological fungicide which helps to control damping-off, root rot or base rot diseases and aerial diseases in ornamental crops.

PRESTOP can provide effective control of a wide variety of plant pathogens which include:

- Damping-off and root or base rot diseases caused by *Pythium*, *Rhizoctonia*, *Phytophthora* and *Fusarium spp.*
- Grey mould and stem cankers caused by *Botrytis cinerea*.
- Gummy stem blight caused by *Didymella sp.* also known as *Mycosphaerella*.

PRESTOP contains mycelia and spores of *Gliocladium catenulatum* Strain J1446, a naturally occurring soil fungus, which is capable of providing a number of very useful disease control benefits through multiple modes of action. These include action as a hyperparasite, production of enzymes which cause the breakdown of plant pathogen cell walls and deprivation of pathogenic fungi - regarding living space and nourishment - by colonizing the surface of roots and aerial parts of the plants. These functions are supported by indirect effects where stimulation of the plants' own natural defence systems takes place.

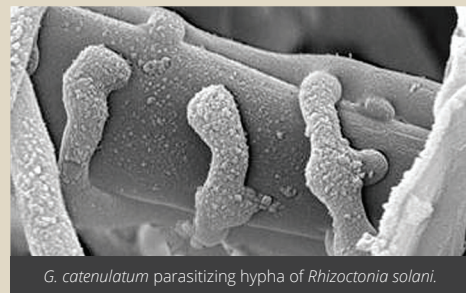
To ensure best control of diseases apply PRESTOP in a protectant programme of treatments before infection occurs.

Features and Benefits

Multiple mode of action wettable powder with proven efficacy against Damping-off diseases - *Botrytis*, *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium*; Root and Base Rot diseases - *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium*; Aerial diseases - *Botrytis*, *Didymella (Mycosphaerella)*

- Improved resistance management through the multiple capabilities of the naturally occurring micro-organism which has not been genetically manipulated in any way.
- Flexible application methods.
- Compatible with biological and integrated pest management programmes.
- No residue so no harvest interval.
- High level of safety to operators and the environment when used according to label instructions.

Additional benefit against other diseases such as *Plasmodiophora brassicae* (clubroot) in brassica crops, sclerotinia, thielaviopsis, helminthosporium, verticillium, penicillium and alternaria species can also be expected.



G. catenulatum parasitizing hypha of *Rhizoctonia solani*.

PRESTOP® Application

PRESTOP is a wettable powder which, when mixed with water, can be applied:

- via mixing into growing media (both organic and inorganic based types).
- via drenching or soil and growing medium spraying.
- via irrigation systems including drip irrigation.
- via foliar spraying.

The most efficient way to use PRESTOP is preventatively. The active substance is a micro-organism which survives in the rhizosphere and on the foliage of plants for several weeks, protecting them against pathogens.

PRESTOP in the control of damping-off and root/base rot diseases (*Pythium*, *Rhizoctonia*, *Phytophthora*, *Fusarium*):

- For drenching or soil spray applications
 - use PRESTOP at 5 -10 g/m² or 200 - 250 g/1000 plants.
- In growing media incorporation
 - use 200 - 500 g of PRESTOP/m³ (1,000 Litres).

Use the higher rate where higher disease pressure is expected.

Repeat the treatment at intervals of 4-6 weeks.

PRESTOP in the control of *Botrytis*:

- For foliar spraying
 - use 0.5% PRESTOP suspension (100 g/20 L of water).

Repeat the spray treatment every 3-4 weeks, depending on need.

Doses

Crops	Uses	Doses
Ornamental plants	Foliar spray <i>Botrytis</i> and <i>Didymella</i>	100 g/1000 plants
	Soil treatment Root/Base diseases <i>Pythium</i> <i>Phytophthora</i> <i>Rhizoctonia</i> <i>Fusarium</i>	200 - 250 g/1000 plants by drip irrigation or drenching
Seedling production of ornamentals plants	Soil treatment Damping-off <i>Pythium</i> <i>Rhizoctonia</i> <i>Fusarium</i>	200 - 500 g/m ³ by mixing into the growing medium. 5 - 10 g/m ² by drenching

Compatibility

PRESTOP is safe to humans, the environment and beneficial organisms when used as directed.

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

Before mixing with plant protection products, consult the ICL technical team.

For other rates, water volumes, timings and restrictions of application read the label or speak to your ICL Technical Area Sales Manager.

After use, clean application equipment with water or dilute detergent solution and thoroughly rinse three times. Caution: All microbial organisms have the potential to cause a reaction in sensitive individuals, usually expressed as a mild irritant, although most individuals will see no reaction. PRESTOP contains *Gliocladium catenulatum* Strain J1446. PRESTOP is a registered trademark of LALLEMAND PLANT CARE. MAPP Number: 17223 PCS Number: 04367

PLEASE USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. PAY ATTENTION TO THE RISK INDICATIONS AND FOLLOW THE SAFETY PRECAUTIONS ON THE LABEL.



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