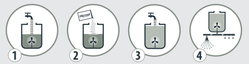
MIXING INSTRUCTIONS

Tank equipped with mechanic or hydraulic agitation system

1. Start the agitation system and maintain this until and during the spraying operation. Fill half of the tank with clean water.
2. Slowly pour the contents of the PRESTOP® bag(s) into the delivery system tank. Refer to the product label for the correct quantity required.
3. Top up the delivery system tank with clean water.
4. Keep mixing during application to maintain the product in suspension.



Tank with no agitation system: premixing preparation required

1. Fill half of the premixing container (jug or bucket) with clean water.
2. Slowly pour the contents of the PRESTOP® bag(s) into the premixing container. Refer to the product label for the correct quantity required.
3. Mix the suspension very well for 5 minutes until a creamy suspension is achieved.
4. Leave the mixture to stand for 20 minutes without mixing.
5. Top up the premixing container with clean water. Mix the suspension very well for 5 minutes. The suspension is now ready to use.
6. Fill the application delivery system tank to the required volume. Apply the product mixture to crops as soon as possible. Do not leave mixed product standing in the delivery system tank.



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Approval holder and marketing company:
DANSTAR FERMENT AG
Poststrasse 30
CH-6300 ZUG
SWITZERLAND

EXTENSION OF USE (UK ONLY)

This extension of the authorized use provides for the use of PRESTOP® in respect of crops other than those included in the product label above.

No efficacy or phytotoxicity data have been assessed and, as such, the 'extension of use' is at all times done at the users' choosing, and the commercial risk is entirely theirs.

CONDITIONS OF USE

	Application method	Maximum individual dose	Maximum number of treatments (per crop)	Latest time of application	Use specific restriction
Outdoor crops of almond, angelica, apple, apricot asparagus, baby-leaf crops, balm, basil, bay, beans without pods - fresh, bilberry, blackcurrant and redcurrant, blueberry, broad bean (fresh), broccoli/calabrese, Brussels sprout, bulb vegetables, cabbage, cane fruit, caraway leaves, cardoon, carrot, cauliflower, celeriac, celery, celery leaves, cherry chervil, chestnut. chicory root, chives, choi sum, collard, coriander leaves, cranberry, cress, dill leaves, dwarf French bean, edible flowers, edible podded pea, endive, fennel leaves, Florence fennel, fruiting vegetables, Globe artichoke, gooseberry, hazelnut herb - other, hops, horseradish, hyssop, Jerusalem artichoke, kale, kohlrabi, lamb's lettuce, land cress, leek, lentil (fresh), lettuce, lovage leaves, marjoram, medlar mint, oregano, oriental cabbage, ornamental plant production, parsley, parsley root, parsnip, peach and nectarine, pear, plum, quince, radish, red beet, rhubarb, rocket, rosemary, runner bean, sage, salad burnet, salsify, savory, seakale, soya bean (fresh), spinach, spinach beet, swede, sweet cicely, table grapes, tarragon, thyme, turnip, vining pea, walnut, wine grapes	Soil spray	6 kg product/ha	1	Pre-crop emergence, pre-planting, sowing or drilling	–
	Soil drench	500 g product/ 100 l water	3	–	When applied as a soil drench a maximum concentration of 500 g product per 100 l water must not be exceeded.
	Incorporation	500 g product/ m² growth medium	1	Pre-planting, sowing or drilling	When applied as a growth media incorporation the maximum concentration must not exceed 500 g product per cubic metre of growth media.
Outdoor crops of asparagus, cardoon, carrot, celeriac, celery, chicory root, Florence fennel, Globe artichoke, horseradish, Jerusalem artichoke, leek, parsley root, parsnip, radish, red beet, rhubarb, salsify, seakale, swede, turnip	Foliar spray	6 kg product/ha	3	–	–
Outdoor angelica, outdoor baby leaf crops, outdoor balm, outdoor basil, outdoor bay, outdoor beans without pods - fresh, outdoor broad bean (fresh), outdoor broccoli/calabrese, outdoor Brussels sprout, outdoor cabbage, outdoor caraway leaves, outdoor cauliflower, celery leaves, chervil, outdoor chives, outdoor choi sum, outdoor collard, outdoor coriander leaves, outdoor cress, outdoor dill, outdoor dwarf French bean, outdoor edible flowers, edible podded pea, outdoor endive, fennel leaves, outdoor herb - other, outdoor hyssop, outdoor kale, outdoor kohlrabi, outdoor lamb's lettuce, outdoor land cress, outdoor lentil (fresh), outdoor lettuce, outdoor lovage leaves, outdoor marjoram, outdoor mint, outdoor oregano, outdoor oriental cabbage, outdoor parsley, outdoor rocket, outdoor rosemary, outdoor runner bean, outdoor sage, outdoor salad burnet, outdoor savory, outdoor soya bean, outdoor spinach, outdoor spinach beet, outdoor sweet cicely, outdoor tarragon, outdoor thyme, outdoor vining pea	Foliar spray	6 kg product / ha	3	–	Applications to the crops which fall in to the Parent Groups of 'brassica vegetable', 'leaf vegetables' and 'fresh herbs' and legume vegetables (fresh) as described in the 'Crop Definition List' must not be made until the start of the inflorescence emergence stage (BBCH 50).
Outdoor bulb vegetables	Foliar spray	6 kg product/ha	3	Before the development of harvestable vegetative plant parts stage (GS40).	Applications to bulb vegetables must not be made until after crop emergence (BBCH 9).
Outdoor fruiting vegetables	Foliar spray	6 kg product/ha	3	Before first fruit on main stem has reached typical size and form (BBCH 71).	Applications to fruiting vegetables must not be made until after the start of inflorescence emergence stage (BBCH 50).
Outdoor hops	Foliar spray	6 kg product/ha	3	Before the beginning of cone development: 10% of inflorescences are cones (BBCH 71).	–
Outdoor crops of table grapes, wine grapes	Foliar spray	6 kg product/ha	Before the ripening of berries stage (GS80).	–	Applications to table and wine-grapes must not be made until inflorescences are emerging (BBCH 50).

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.
This product must only be applied in accordance with the terms of this extension of authorisation, the product label and/or leaflet and any additional guidance on extensions of authorisation.

Restrictions and warnings

- To avoid risks to human health and the environment, comply with the instructions for use.
- Micro-organisms may have the potential to provoke sensitising reactions.
- Not to be used on unrooted cuttings.

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

FOLIAR APPLICATIONS

PRESTOP® gives moderate control of gummy stem blight (*Didymella* sp.) on cucumber, and grey mould (*Botrytis* sp.) on tomato, pepper, cucumber and strawberry, ornamentals and seedling production of all edible crops and all non-edible crops (protected) and outdoor strawberry.
Apply as a high volume foliar spray to ensure thorough coverage of the foliage, paying particular attention to stems when applying for *Didymella* sp. and wounds when applying for *Botrytis* sp.

Timing

- Tomato, pepper and cucumber: apply the first treatment soon after transplanting or at the latest immediately after de-leafing and reapply every 3-4 weeks.
- Ornamentals and seedling production of all edible crops and all non-edible crops (protected): treat cuttings at striking and seedlings at pre-emergence, repeat at 3 to 4 week intervals.
- Strawberry: one to three applications as foliar spray at 0.5% or 0.6 g/m² (equivalent to 6.0 kg product/ha) with 7 days spray interval, at growth stages BBCH > 61 (at flowering).

Mixing and Spraying

PRESTOP® must always be used as an aqueous suspension. Follow the correct guidance instructions provided in this label. Apply at the rate of 500 g per 100 litres (0.5%). First cream the PRESTOP® powder with a small amount of water (e.g. 1 litre), then agitate carefully until evenly mixed, after which dilute to the final concentration. Apply at high volume. As a guide for tomato, pepper and cucumber, use 10 litres of PRESTOP® suspension per 500 plants, and for strawberries use 1200 litres of the suspension per hectare at one application. Apply at high volume to just before run-off, ensuring thorough coverage of the crop.

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

- Drench of cucumber, tomato, pepper, strawberry and ornamentals: apply 200 g to 250 g of PRESTOP® (0.5%) per 1000 plants.
- Drenching of small seedlings: use 5-10 g of PRESTOP®/m² in 1-2 litres of water/m² (0.5%).
- Drench of individual root balls and pot plants: apply 20-500 g of PRESTOP® (0.5%) per 1000 plants, depending on the size (100 ml-1 litre) of the root ballipot.
- Growing media incorporation: when incorporating PRESTOP® into the growing medium use 200-500 g of PRESTOP® per 1000 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

PRESTOP® has not been reported 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.

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

Crop	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/m³ 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.

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 PFF2 or equivalent.
- 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.
- If exposed or feeling unwell: Immediately call a POISON CENTER or doctor/ physician.
- Do not eat, drink or smoke when using this product.
- Do not get in eyes or on skin.
- IF IN EYES OR IF ON SKIN: 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).
- 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 10 m of the top of the bank of any static or flowing waterbody or within 5 m 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 must be complied with in full and in accordance with any conditions applicable to them.
- Spray must be aimed away from water.

Storage and disposal

- Keep away from food, drink and animal feedstuffs.
- Keep out of reach of children.
- PRESTOP® is a biological preparation containing dried living fungal spores and mycelium. The product will keep unopened for one year if stored in cool, dry conditions below +4°C. Since the 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.
- 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.

PRESTOP®

MAPP 19458
PCS 06486

NET WEIGHT:
1 kg



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

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.

PRESTOP® is a registered trademark of Danstar Ferment AG, Switzerland.
Batch number and production date printed/stamped on product package.

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.

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