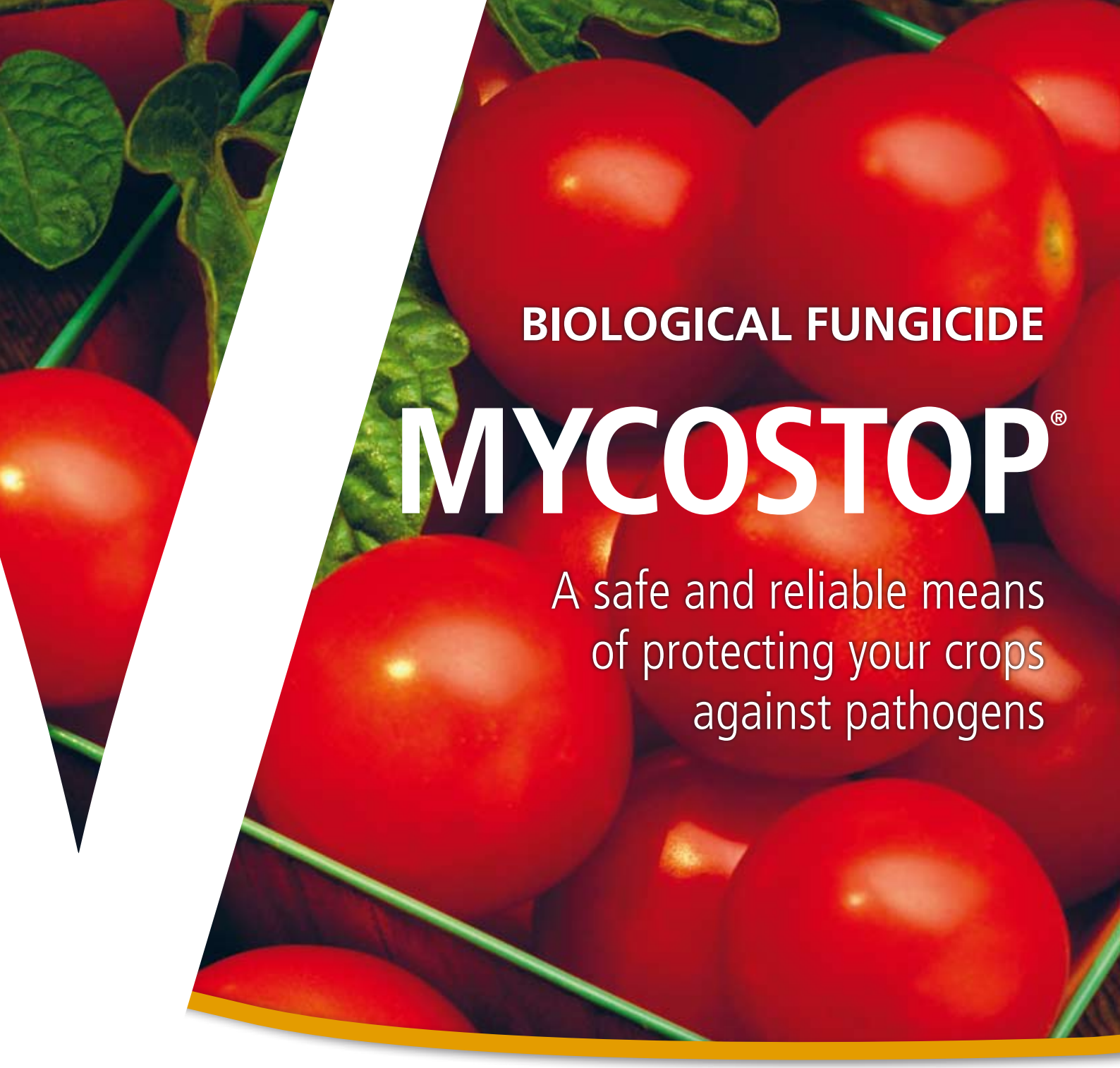


BIOLOGICAL FUNGICIDE

MYCOSTOP®

A safe and reliable means of protecting your crops against pathogens

Verdera

Naturally. Profitably.

PHOTO: Finnish Horticultural Products Society / Aleksandra, Tommy Sjöin

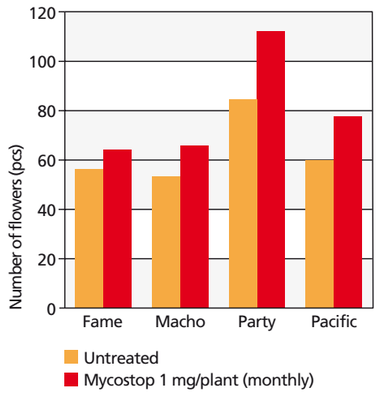
PHOTO: Finnish Horticultural Products Society / Reijo Johansson

MYCOSTOP® FOR PLANT PRODUCTION OF VEGETABLES, HERBS AND ORNAMENTALS

BIOLOGICAL PRODUCT — FOR ENVIRONMENTALLY FRIENDLY HORTICULTURE

- Contains a naturally occurring bacterial strain isolated from *Sphagnum* peat
- A reliable tool to control damping-off, wilt and root diseases
- Promotes plant growth
- Induces plant defence mechanisms
- Effective in an organic and inorganic growing medium
- Approved for organic horticulture
- Compatible with biological and integrated pest management programmes
- No risk of resistance
- Long-lasting impact on the entire plant
- Safe for humans, the environment and beneficials

Effect of Mycostop on the flower yield of various gerbera cultivars infected by *Fusarium*



Active ingredient *Streptomyces* K61

MYCOSTOP® contains mycelium and spores of *Streptomyces* strain K61 actinobacterium, 5 x 10^8 cfu/g (cfu = colony forming unit)

Mode of action

- deprives pathogenic fungi of space and nourishment by colonising plant roots
- acts as a hyperparasite, disrupting cell walls of pathogens
- produces metabolites that inhibit plant pathogens

EXTENSIVE RANGE OF USE

Effectively controls a wide range of pathogens:

- damping-off caused by various fungi, such as *Alternaria* and *Rhizoctonia solani*
- wilt and root diseases caused by *Fusarium, Phytophthora* and *Pythium*

MYCOSTOP can also be used to suppress grey mould caused by *Botrytis*.

MYCOSTOP powder is mainly used in the form of an aqueous suspension. It is applied using one of the following methods:
- drip irrigation
- drenched or sprayed onto the growing medium
- incorporated into the growing medium
- dry seed treatment
- bulb and cutting dip

The most efficient way is to use MYCOSTOP preventatively. The active substance is a living microbe, which survives in the rhizosphere for several weeks protecting the crop against invading pathogens.

Application rate

The application rate depends on the cultivation system and the growth stage when MYCOSTOP is used. Some examples of the required rate:
- drip irrigation 5-10 g/1000 plants
- growing media treatment: use 0.01% aqueous solution
- application on cuttings or bulbs: use 0.01-0.02% aqueous solution

Storage

Unopened packages stored in a cool (at or below +8°C) and dry location have a viable shelf life of 12 months.

Compatibility with other pesticides

MYCOSTOP is safe for beneficials. It is compatible with most chemical pesticides and can be used in integrated pest management programmes. As a bacterium, MYCOSTOP has a high tolerance to chemical fungicides.

MYCOSTOP® MIX is another formulation of *Streptomyces* K61 fungicide.

Pythium *Pythium* + Mycostop

Effect of Mycostop on dill roots infected by *Pythium*

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www.verdera.com

Planner / Hannun Tasapaino Oy, 09 / 2009