

**MYCOSTOP® BIOFUNGICIDE**

For the Suppression of Diseases on Greenhouse Cucumber, Tomato, Pepper and Ornamentals.

**COMMERCIAL**

**GUARANTEE:** *Streptomyces* Strain K61 ..... 10<sup>8</sup> cfu/g  
Wettable powder

**POTENTIAL SENSITIZER**

**KEEP OUT OF REACH OF CHILDREN**  
**READ THE LABEL AND ENCLOSED LEAFLET BEFORE USING**

**REGISTRATION NO: 26265 PEST CONTROL PRODUCTS ACT**

Manufactured by:  
**VERDERA OY**  
Kurjenkellontie 5B  
P.O. Box 5  
FI-02271 Espoo, Finland.

Canadian agent  
**PLANT PRODUCTS CO. LTD.**  
314 Orenda Road  
Brampton, Ontario  
L6T 1G1  
Tel. (905) 793-7000

**NET CONTENTS** : 2 x 5g, 10g, 25g, 50g or 100g

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**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. Keep away from food, drink and animal feed.

May cause sensitization by inhalation and skin contact. Avoid breathing dust or spray mist. Avoid contact with skin and eyes.

Wear a long sleeved shirt, long pants, shoes plus socks, chemical resistant gloves, eye goggles and a dust mask (minimum standard MSHA/NIOSH TC-21C) when handling this product and during all clean up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

**FIRST AID****If swallowed:**

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:**

Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**ENVIRONMENTAL HAZARDS:** Toxic to aquatic organisms.

**DIRECTIONS FOR USE:** See label enclosed in package for complete use directions before using.

**STORAGE AND DISPOSAL****STORAGE**

Store the product in unopened packets in a cool (below +8°C), dry place. Use all contents in packet during the same day. In an opened packet the product will lose its viability. Unopened packets stored below +8°C have a viable shelf life of 12 months from the packaging date (see expiry date). To prevent contamination, store this product away from food or feed.

**DISPOSAL**

1. Thoroughly empty the contents of the container into the application device.
2. Make the container unsuitable for further use.
3. Dispose of container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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**DIRECTIONS FOR USE**

MYCOSTOP<sup>®</sup> biofungicide contains naturally occurring soil bacteria. The effect of MYCOSTOP<sup>®</sup> biofungicide comes from several factors. The microbe deprives pathogen fungi of living space and nourishment by colonizing plant roots in advance of fungi. In addition the microbe secretes various enzymes and metabolites which inhibit pathogen growth. MYCOSTOP<sup>®</sup> biofungicide has been shown to promote the growth and yield of plants even in healthy crops.

MYCOSTOP<sup>®</sup> biofungicide is used for the suppression of damping-off, root and crown rot, and wilt caused by *Fusarium* on greenhouse ornamentals and vegetables such as cucumber, tomato and pepper; damping-off and root and crown rot caused by *Pythium* on greenhouse ornamentals and cucumber, as well as root and stem rot and wilt caused by *Phytophthora* on greenhouse ornamentals, tomato and pepper.

MYCOSTOP<sup>®</sup> biofungicide is a wettable powder, packed in small-dose airtight packets. It is easy to apply as a water suspension by spraying or drenching the surface of growing media or by using drip irrigation. MYCOSTOP<sup>®</sup> biofungicide is also suitable for seed treatment.

MYCOSTOP<sup>®</sup> biofungicide is compatible with IPM programs.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

**Seed treatment for the suppression of *Fusarium* damping-off**

In seed treatment the following rates are recommended:

- vegetables, ornamentals and herbs\* 5-8 g per kg of seed

\*Do not treat lettuce, gerbera or sweet pepper seed

Add MYCOSTOP<sup>®</sup> biofungicide to the seeds in a clean, dry container, close lid and shake container until seeds become evenly coated with the product. The treated seeds should be sown without delay, at latest within one week if kept below +8°C.

## Growing media treatment for the suppression of diseases caused by *Fusarium*, *Pythium* and *Phytophthora*

The effect of MYCOSTOP<sup>®</sup> biofungicide is preventive. Start treatments of growing media in seedling production or immediately after transplanting or potting. Repeat the treatment every 3 to 6 weeks in accordance with disease pressure for maximum effect. For seedling production, apply first spray after emergence using lower rate.

MYCOSTOP<sup>®</sup> biofungicide has shown to be safe on common ornamentals however it is not possible to test all cultivars and some may show delayed germination or growth. MYCOSTOP<sup>®</sup> biofungicide should first be tested on a small lot of plants if the response of the variety is not known, before using in commercial scale production.

MYCOSTOP <sup>®</sup> biofungicide rates for the suppression of			
<ul style="list-style-type: none"> <li>○ <i>Fusarium</i> on greenhouse ornamentals and vegetables, such as cucumber, tomato and pepper</li> <li>○ <i>Pythium</i> on greenhouse ornamentals and cucumber</li> <li>○ <i>Phytophthora</i> on greenhouse ornamentals, tomato and pepper</li> </ul>			
CROP	RATE PER TREATMENT (SPRAYING, DRENCHING, DRIP IRRIGATION)	EXAMPLES OF RATES IN SPRAYING AND DRENCHING	TIMING FOR TREATMENTS
<b>GREENHOUSE</b>			
<b>CUCUMBER, TOMATO, PEPPER</b>			
• IN ROCKWOOL CONTAINERS	5-10 mg/plant	10-20 ml/plant of 0.05 % suspension	Immediately after transplanting, repeated at intervals of 3-6 weeks
• IN BEDS	5-10 g/100 m <sup>2</sup>	0.1-0.2 litre/m <sup>2</sup> of 0.05 % suspension	
<b>GREENHOUSE ORNAMENTALS</b>			
• POT PLANTS	2-5 mg/plant	20-50 ml/plant of 0.01 % suspension	Immediately after planting or potting, repeated at intervals of 3-6 weeks
• CUT FLOWERS (IN BEDS)	5-10 g/100 m <sup>2</sup>	0.1-0.2 litre/m <sup>2</sup> of 0.05 % suspension	
<b>SEEDLING PRODUCTION</b>	2-10 g/100 m <sup>2</sup>	0.2-1.0 litre /m <sup>2</sup> of 0.01 % suspension	After seedling emergence
0.01 % = 1 g/10 litres of water, 0.05 % = 1 g/2 litres of water			

### Mixing instructions

Make a water suspension by mixing the packet contents in a small volume of water (e.g. 0.5 litre) and let stand for about 30 minutes. Agitate as needed to get product evenly dispersed before diluting to final volume. The water suspension should be used during the same day. In drip irrigation system add MYCOSTOP<sup>®</sup> biofungicide suspension into the mixing tank; do not mix with concentrated fertilizer solutions.

MYCOSTOP<sup>®</sup> biofungicide is believed to be compatible with most beneficials and chemical pesticides used in greenhouse growing media and may be applied separately after a short interval. For a detailed compatibility list contact the distributor or manufacturer. Do not tankmix MYCOSTOP<sup>®</sup> biofungicide with chemical pesticides.

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MYCOSTOP<sup>®</sup> biofungicide is a registered trademark of Verdera Oy, Finland

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