

GROUP	9	FUNGICIDE
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SCALA[®] SC GREENHOUSE FUNGICIDE

For control of Botrytis grey mould in greenhouse tomatoes and greenhouse cucumbers

COMMERCIAL

SUSPENSION



CAUTION

POISON



CAUTION – SKIN IRRITANT

REGISTRATION NUMBER: 29975 PEST CONTROL PRODUCTS ACT

GUARANTEE:

Pyrimethanil 400 g/L

Contains 1,2-benzisothiazolin-3-one at 0.035% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.
Warning, contains the allergen sulfites.

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 500 mL, 2, 10 LITRES to BULK

For product information, call: 1-888-283-6847

Bayer CropScience Inc
Suite 200, 160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3

In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577 (24 hours a day)

SCALA[®] SC GREENHOUSE FUNGICIDE

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GENERAL INFORMATION

Section 1: The Product

THE PRODUCT:

- SCALA[®] SC GREENHOUSE FUNGICIDE is a systemic fungicide that is effective on the control of Botrytis grey mould in greenhouse tomatoes and greenhouse cucumbers. SCALA SC GREENHOUSE FUNGICIDE is best suited for use in a preventative treatment program.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment, and Re-entry Restriction.

PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN
- Harmful if inhaled. Avoid inhaling/breathing sprays.
- May irritate the skin. Avoid contact with skin, eyes and clothing.
- Wash thoroughly with soap and water after handling and before eating, drinking, or smoking.
- If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.
- Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 24 hours.
- Do not apply using fogging or ultra low volume equipment.
- Do not apply using handheld mistblower equipment.
- If this pest control product is to be used on a commodity that may be exported to the United States and you require information on acceptable residue levels in the United States, visit CropLife Canada's web site at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT:

- During mixing, loading, clean-up and repair activities, workers must wear long pants, long-sleeved shirts, boots, chemical resistant gloves and safety goggles or a face shield.
- Applicators must wear long pants, long-sleeved shirts and boots.

Section 3: First Aid and Toxicological Information

FIRST AID:

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

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.

TOXICOLOGICAL INFORMATION:

- Treat symptomatically. Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

Section 4: Environmental Hazards

ENVIRONMENTAL HAZARDS:

- TOXIC to aquatic organisms.
- DO NOT apply this product through any type of irrigation system.
- DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

Section 5: Storage

STORAGE:

- Do not contaminate water, food, or feed by storage or disposal.
- CANNOT BE STORED BELOW FREEZING.
- If stored for 1 year or longer, shake well before using.
- Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs.
- Do not use or store in or around the home.
- Keep the product in the original container during storage.
- In case of fire, leaking or damaged containers, call toll free 1-800-334-7577.

Section 6: Disposal

Recyclable Container Disposal:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal of Unused, Unwanted Product:

For information on 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 cleanup of spills.

DIRECTIONS FOR USE

Section 7: Application Information and Precautions

APPLICATION INFORMATION:

Thorough coverage of all plant parts to be protected is essential for good disease control. Use sufficient water volume and spray pressure to provide thorough and uniform coverage for optimum disease control.

Greenhouse tomatoes - Apply SCALA SC GREENHOUSE FUNGICIDE in a minimum spray volume of 250-600 L/ha.

APPLICATION PRECAUTIONS:

DO NOT apply more than 4.0 L/ha of SCALA SC GREENHOUSE FUNGICIDE per crop in a single growing season. As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

Section 8: Crop, Disease, Rate, Timing, Minor Uses

CROP	DISEASE	RATE	TIMING
Greenhouse tomatoes	Grey mould (<i>Botrytis cinerea</i>)	2 L/ha 800 g a.i./ha	Apply Scala SC Greenhouse Fungicide at first sign of disease. Repeat application at 14-day interval. Ensure that the tomato crop is covered uniformly by the spray treatment.
<p>RESTRICTIONS: Apply SCALA SC GREENHOUSE FUNGICIDE only in a well-ventilated greenhouse. Ventilate for at least 2 hours after application. Do not apply more than 2 applications of SCALA SC GREENHOUSE FUNGICIDE per growing season to greenhouse tomatoes. Do not apply within 1 day of harvest. To limit the potential for resistance to develop, DO NOT apply more than one application of SCALA SC GREENHOUSE FUNGICIDE or other Group 9 fungicide before alternating with a fungicide from a different resistance management group.</p>			
<p>Notice: In a ventilated greenhouse, the vapour activity of SCALA SC GREENHOUSE FUNGICIDE can produce brown or necrotic spots on the crop. Intensity and frequency of these effects depend on the relative humidity (e.g., above 80%), duration of vapour exposure and concentration of the spray solution. Thus, proper ventilation after spraying is essential in greenhouse applications.</p>			

MINOR USES

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Bayer CropScience and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Bayer CropScience itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Bayer CropScience harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

CROP	DISEASE	RATE	TIMING
Greenhouse cucumber	Grey mould (<i>Botrytis cinerea</i>)	2 L/ha with a spray volume of 485-2,500 L/ha. Spray volumes will vary depending on crop canopy height. Use appropriate spray volume to ensure thorough coverage of leaf canopy and stems. A minimum of 485 L/ha for smaller plants, increasing to 1,000-2,500 L/ha for larger plants.	Begin application at first sign of disease or when conditions of rapid disease development exist. Ensure that the area to be treated is covered uniformly. Repeat applications should be made on a 7-14 day depending upon disease conditions).

RESTRICTIONS: Apply SCALA SC GREENHOUSE FUNGICIDE only in well-ventilated greenhouses. Ventilate for at least 2 hours after application. Do not apply more than 2 applications of SCALA SC GREENHOUSE FUNGICIDE per growing season to greenhouse cucumbers. Do not apply within 1 day of harvest. To limit the potential for resistance to develop, DO NOT apply more than one applications of SCALA SC GREENHOUSE FUNGICIDE or other Group 9 fungicide before alternating with a fungicide from a different resistance management group.

Notice: In ventilated greenhouses, the vapour activity of SCALA SC GREENHOUSE FUNGICIDE can produce brown or necrotic spots on the crop. Intensity and frequency of these effects depend on the relative humidity (e.g., above 80%), duration of vapour exposure and concentration of the spray solution. Thus, proper ventilation after spraying is essential in greenhouse applications.

Section 9: Resistance Management

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that SCALA SC GREENHOUSE FUNGICIDE contains a Group 9 fungicide. Any fungal population may contain individuals naturally resistant to SCALA SC GREENHOUSE FUNGICIDE and other Group 9 fungicides. A gradual or total loss of disease control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of SCALA SC GREENHOUSE FUNGICIDE or other Group 9 fungicides with different groups that control the same pathogens. Use tank mixtures with fungicides from a different group when such use is permitted.
- For *Botrytis* control, follow the Fungicide Resistance Action Committee (FRAC) guidelines:
 - Always alternate applications of SCALA SC GREENHOUSE FUNGICIDE or other Group 9 fungicides with fungicides having a different mode of action (different Group).
 - In situations where 3 to 6 *Botrytis* treatments are made per crop and season, a maximum of 2 applications of SCALA SC GREENHOUSE FUNGICIDE or any other Group 9 fungicide are recommended. In situations where 7 or more *Botrytis* treatments are made per crop and season, a maximum of 3 applications of SCALA SC GREENHOUSE FUNGICIDE or any other Group 9 fungicide are recommended.
- Avoid consecutive applications of SCALA SC GREENHOUSE FUNGICIDE or other Group 9 fungicides in a season. Alternate applications with fungicides having a different mode of action.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices. Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at www.bayercropscience.com.

Section 10: Mixing Instructions

MIXING INSTRUCTIONS:

SCALA SC GREENHOUSE FUNGICIDE must be applied with properly calibrated, clean equipment.

Prior to adding SCALA SC GREENHOUSE FUNGICIDE to the spray tank, ensure that the spray tank is thoroughly clean.

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of SCALA SC GREENHOUSE FUNGICIDE to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

Section 11: Preharvest Intervals (PHI)

- Pre-harvest Intervals:

Greenhouse tomato	1 day
Greenhouse cucumber	1 day

Section 12: Notices

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.

SCALA is a registered trademark of Bayer.
All other products mentioned are trademarks of their respective companies.

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