

LUNA PRIVILEGE GREENHOUSE FUNGICIDE

SUSPENSION

For control of botrytis grey mould, botrytis leaf blight, botrytis stem canker and powdery mildew diseases in greenhouse cucumbers, peppers and tomatoes, early blight in greenhouse tomatoes and botrytis rot in greenhouse lettuce.

COMMERCIAL

GUARANTEE: Fluopyram500 g/L

REGISTRATION NUMBER: 32208 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS : 0.5 L – Bulk

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
CALGARY, ALBERTA T2C 3G3
www.cropscience.bayer.ca

Product information: 1-888-283-6847

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

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.

GENERAL INFORMATION

THE PRODUCT:

LUNA PRIVILEGE GREENHOUSE FUNGICIDE is a broad spectrum fungicide with preventative, systemic, and curative properties recommended for control of certain disease on vegetable plants in greenhouses. LUNA PRIVILEGE GREENHOUSE FUNGICIDE is best suited for use in a preventative treatment program.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with the skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. 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.

PROTECTIVE CLOTHING AND EQUIPMENT:

During mixing, loading, application, clean-up and repair activities, workers must wear long sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves.

When applied as a tank mix combination, read and observe all the label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Do not apply this product using fogging equipment (handheld or automated) or using handheld mist blowers/airblast equipment.

RE-ENTRY RESTRICTION:

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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 in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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.

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

TOXICOLOGICAL INFORMATION:

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

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms and non-target terrestrial plants. DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of sprayers or the disposal of waste spray product.

STORAGE:

Do not contaminate water, food, or feed by storage or disposal. Do not store 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. To prevent contamination store this product away from food or feed. In case of fire, leaking or damaged containers, call toll free 1-800-334-7577.

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.

Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

DIRECTIONS FOR USE

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. Use a minimum water volume for thorough coverage of plant foliage.

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.

GREENHOUSE CUCUMBERS:		
Disease Control	Rate mL/hectare	Use Information
Grey mould (fruit) Botrytis leaf blight Botrytis stem canker (<i>Botrytis cinerea</i>)	500	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 500 L/Ha spray volume 1.1 m - 1000 L/Ha spray volume 2.1 m - 2500 L/Ha spray volume Begin fungicide applications preventatively. Maximum of two applications per cropping cycle. Rotate with non-Group 7 fungicides that control <i>Botrytis cinerea</i> 7 to 10-days later.
Powdery Mildew (<i>Sphaerotheca fuliginea</i>) (<i>Erysiphe cichoracearum</i>)	100	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 500 L/Ha spray volume 1.1 m - 1000 L/Ha spray volume 2.1 m - 2500 L/Ha spray volume Begin fungicide applications preventatively. Maximum of three applications per cropping cycle. Rotate with non-Group 7 fungicides that control Powdery mildew 7 to 14-days later.
Restrictions: Do not apply more than 500 g of fluopyram per hectare per season. To limit the potential for development of disease resistance to this fungicide class do not make sequential applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or any Group 7 containing fungicide before rotating with a fungicide from a different Group. A maximum of 2 sequential applications are permitted when applied in mixture with a non-Group 7 fungicide. Refer to RESISTANCE MANAGEMENT RECOMMENDATIONS section for details on multi-spray crops.		
LUNA PRIVILEGE GREENHOUSE Fungicide may be applied up to day of harvest.		

GREENHOUSE PEPPERS:		
Disease Control	Rate mL/hectare	Use Information
Grey mould (fruit) Botrytis leaf blight Botrytis stem canker (<i>Botrytis cinerea</i>)	500	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 500 L/Ha spray volume 1.7 m - 1000 L/Ha spray volume 3.4 m - 1500 - 2000 L/Ha spray volume Begin fungicide applications preventatively. Maximum of two applications per cropping cycle. Rotate with non-Group 7 fungicides that control <i>Botrytis cinerea</i> 7 to 12-days later.
Powdery mildew (<i>Leveillula taurica</i>)	100	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 500 L/Ha spray volume 1.7 m - 1000 L/Ha spray volume 3.4 m - 1500 - 2000 L/Ha spray volume Begin fungicide applications preventatively. Maximum of three applications per cropping cycle. Rotate with non-Group 7 fungicides that control Powdery mildew 7 to 10-days later.
<p>Restrictions: Do not apply more than 500 g of fluopyram per hectare per season. To limit the potential for development of disease resistance to this fungicide class do not make sequential applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or any Group 7 containing fungicide before rotating with a fungicide from a different Group. A maximum of 2 sequential applications are permitted when applied in mixture with a non-Group 7 fungicide. Refer to RESISTANCE MANAGEMENT RECOMMENDATIONS section for details on multi-spray crops.</p> <p>LUNA PRIVILEGE GREENHOUSE Fungicide may be applied up to day of harvest.</p>		

TOMATO (greenhouse): Foliar Broadcast Application

Disease Control	Rate mL/hectare	Use Information
Grey mould (fruit) Botrytis leaf blight Botrytis stem canker (<i>Botrytis cinerea</i>)	500	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 300 L/Ha spray volume 1.2 m - 1000 L/Ha spray volume 2.7 m - 1000 - 1500 L/Ha spray volume Begin fungicide applications preventatively. Maximum of two applications per cropping cycle. Rotate with non-Group 7 fungicides that control <i>Botrytis cinerea</i> 7 to 12-days later.
Early blight (<i>Alternaria solani</i>)	150-300	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 300 L/Ha spray volume 1.2 m - 1000 L/Ha spray volume 2.7 m - 1000 - 1500 L/Ha spray volume Begin fungicide applications preventatively. Maximum of three applications per cropping cycle. Rotate with non-Group 7 fungicides that control Early blight 7 to 12-days later. Utilize the high rate when disease pressure is high or when agronomic or weather conditions are conducive to severe disease development.
Powdery mildew (<i>Leveillula taurica</i>)	100	Use a minimum water volume for thorough coverage of plant foliage. Suggested spray volumes by crop height: 0.6 m - 300 L/Ha spray volume 1.2 m - 1000 L/Ha spray volume 2.7 m - 1000 - 1500 L/Ha spray volume Begin fungicide applications preventatively. Maximum of three applications per cropping cycle. Rotate with non-Group 7 fungicides that control Powdery mildew 7 to 14-days later.

Restrictions: Do not apply more than 500 g of fluopyram per hectare per season. To limit the potential for development of disease resistance to this fungicide class do not make sequential applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or any Group 7 containing fungicide before rotating with a fungicide from a different Group. A maximum of 2 sequential applications are permitted when applied in mixture with a non-Group 7 fungicide. Refer to RESISTANCE MANAGEMENT RECOMMENDATIONS section for details on multi-spray crops.

LUNA PRIVILEGE GREENHOUSE Fungicide may be applied up to day of harvest.

Tomato (greenhouse): Drip/Drench Application		
Disease Control	Rate mL/hectare	Use Information
Grey mould (fruit) Botrytis leaf blight Botrytis stem canker (<i>Botrytis cinerea</i>)	40 ml product per 1000 plants Maximum single application is 500 mL (250 g a.i.)/ha.	A maximum of two applications made preventatively with a re-application interval of 7 days from the crop stage BBCH 19 (9 or more leaves on main shoot unfolded). Apply the required amount in 500 L/ha to 1500 L/ha
<p>Restrictions: Do not apply more than 500 g of fluopyram per hectare per season. To limit the potential for development of disease resistance to this fungicide class do not make sequential applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or any Group 7 containing fungicide before rotating with a fungicide from a different Group. A maximum of 2 sequential applications are permitted when applied in mixture with a non-Group 7 fungicide. Refer to RESISTANCE MANAGEMENT RECOMMENDATIONS section for details on multi-spray crops.</p>		
<p>LUNA PRIVILEGE GREENHOUSE Fungicide may be applied up to day of harvest.</p>		

Lettuce (greenhouse)		
Disease Control	Rate mL/hectare	Use Information
Botrytis rot (<i>Botrytis cinerea</i>)	500	First application can be made one week after transplanting at the earliest crop stage BBCH 12 (2 nd leaf developed), and can be repeated once with a minimum interval of 7 days until the latest crop stage BBCH 49 (final head size for harvest is reached). Apply the required amount in 500 L/ha to 1500 L/ha.
<p>Restrictions: Do not apply more than 500 g of fluopyram per hectare per season. Do not apply LUNA PRIVILEGE GREENHOUSE Fungicide within 7 days of harvest. To limit the potential for development of disease resistance to this fungicide class do not make sequential applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or any Group 7 containing fungicide before rotating with a fungicide from a different Group. A maximum of 2 sequential applications are permitted when applied in mixture with a non-Group 7 fungicide. Refer to RESISTANCE MANAGEMENT RECOMMENDATIONS section for details on multi-spray crops.</p>		

MIXING INSTRUCTIONS:

LUNA PRIVILEGE GREENHOUSE FUNGICIDE must be applied with properly calibrated, clean equipment.

Prior to adding LUNA PRIVILEGE 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 LUNA PRIVILEGE GREENHOUSE FUNGICIDE to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, LUNA PRIVILEGE GREENHOUSE FUNGICIDE contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to LUNA PRIVILEGE GREENHOUSE FUNGICIDE and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same field. 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 LUNA PRIVILEGE GREENHOUSE FUNGICIDE or other Group 7 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Avoid consecutive applications of LUNA PRIVILEGE GREENHOUSE FUNGICIDE or other Group 7 fungicides in a season. Alternate applications with fungicides having a different mode of action.
- For multi-spray crops: When applied alone, the total number of Group 7 fungicide applications should not exceed one third of the total number of fungicide applications in a season. When used in a

mixture, the total number of sprays containing Group 7 fungicides should not exceed half of the total number of fungicide applications in a season. When both solo and mixture applications are used in a program, no more than half of the total number of fungicide applications should contain Group 7 fungicides.

- 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. Notify Bayer CropScience if reduced sensitivity of the pathogen to LUNA PRIVILEGE GREENHOUSE FUNGICIDE is suspected.
- 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 disease problems in your area.
- For further information and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at www.bayercropscience.ca.

Bayer and LUNA PRIVILEGE GREENHOUSE FUNGICIDE are trademarks of Bayer CropScience.

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FIRST AID:

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If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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.

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

TOXICOLOGICAL INFORMATION:

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ENVIRONMENTAL PRECAUTIONS:

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STORAGE:

Do not contaminate water, food, or feed by storage or disposal. Do not store 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. To prevent contamination store this product away from food or feed. In case of fire, leaking or damaged containers, call toll free 1-800-334-7577.

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.

Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.