

# DECREE® 50 WDG FUNGICIDE

Group	<b>17</b>	Fungicide
-------	-----------	-----------

**50% Water Dispersible Granule for Use as a Spray for Control of *Botrytis* Diseases in Field Tomato Transplants Grown in Greenhouse, Greenhouse Cucumber, Greenhouse Lettuce, Greenhouse Tomatoes, Greenhouse Peppers and Ornamentals**

**Not for Residential Use**

**HORTICULTURAL**

**CAUTION**



**POISON**

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL AND BOOKLET BEFORE USING**

**GUARANTEE:**

**Fenhexamid.....50%**

**Warning, contains the allergen sulfites**

**REGISTRATION NO. 26132**

**PEST CONTROL PRODUCTS ACT**

**NET CONTENTS: 500 g**

**ARYSTA LIFESCIENCE NORTH AMERICA, LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513, USA**

**For Product Information: 1-866-761-9397**

**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.

<b>FIRST AID</b>	
<b>If in eyes</b>	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.
<b>If on skin or clothing</b>	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.
<b>If swallowed</b>	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.
<b>If inhaled</b>	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.	
<b>FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE</b> Call PROSAR at 1-866-303-6952	

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**PRECAUTIONS****KEEP OUT OF REACH OF CHILDREN.**

DO NOT reenter treated area within 4 hours of application. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Do not inhale fumes. Avoid breathing vapors or spray mist. After use wash hands and other exposed skin. When using this product do not eat, drink or smoke. Remove and launder contaminated clothing separately from household laundry before reuse. Avoid spray drift. Avoid contamination of ponds, streams, rivers and desirable vegetation. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. Observe appropriate provincial buffer zones around bodies of water and wetland areas. Wear long-sleeved shirt, long pants during all activities. In addition, wear chemical resistant gloves during mixing, loading, cleanup and repair activities and while applying using hand-held equipment.

**Note:** 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).

**ENVIRONMENTAL PRECAUTIONS**

This product is toxic to fish and other aquatic organisms. Do not contaminate aquatic areas, including, lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes streams,

reservoirs, wetlands and marine/estuary habitats through overspray, cleaning of equipment and containers, or disposal of waste.

For greenhouse use:

Do not allow contaminated effluent or runoff from the greenhouse to enter aquatic systems.

For application by airblast sprayers:

Do not direct spray above plants and turn off outward pointing nozzles at row ends and outer rows. Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 16 km/hr at the application site.

For the protection of non-target habitats, overspray or drift to sensitive habitats must be avoided. A buffer zone of 7 metres is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats such as lakes, rivers, sloughs, ponds, coulees, prairies, potholes, creeks, marshes, streams, reservoirs, and wetlands.

**STORAGE:** May be stored at ambient temperature. Keep in original container. This product should not be stored under extreme temperatures. To close package, make sure the package is folded to form an airtight seal and store under dry conditions. Insecticides and fungicides should be segregated from herbicides to prevent the possibility of cross-contamination.

**SPILL HANDLING:** Clean up spill immediately. Place product and any contaminated cleanup materials in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a disposable container.

**FOR 24-HOUR CHEMICAL EMERGENCY ASSISTANCE**

Spills, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300

**DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of the unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and provincial regulatory agency in case of a spill and for clean up of spills.

**DIRECTIONS FOR USE**

**GENERAL INFORMATION**

DECREE 50 WDG Fungicide is a cyclohexanecarboxamide protectant fungicide used for the control of Gray mold, *Botrytis cinerea*, on field tomato transplants grown in greenhouse, greenhouse cucumber, greenhouse lettuce, greenhouse tomatoes and ornamentals. This product should be used in a program with other products to provide season-long protection. Apply as a spray with ground equipment using sufficient water to obtain thorough coverage of plants. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly. Do not replant food crops other than those for which the product is labeled within 30 days following the last application.

## RESISTANCE MANAGEMENT

For resistance management, please note that DECREE 50 WDG contains a Group 17 fungicide. Any fungal population may contain individuals naturally resistant to DECREE 50 WDG and other Group 17 fungicides. A gradual or total loss of pest 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 DECREE 50 WDG or other Group 17 fungicides with different groups that control the same pathogens. Avoid application of more than 2 consecutive sprays of DECREE 50 WDG or other fungicides in the same group in a season.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- 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 ARYSTA LIFESCIENCE NORTH AMERICA, LLC at 1-866-761-9397.

## MIXING DIRECTIONS

Begin with clean equipment. Prepare only the amount of solution needed to treat the determined area or the area that may be treated in a reasonable time. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Agitate to ensure thorough mixing while adding the remaining required water. Maintain agitation during mixing and application. DO NOT allow the spray mixture to stand without agitation. Apply with properly calibrated spray equipment. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use.

## APPLICATION

Prepare only the amount of spray solution needed to treat the area to be sprayed. Maintain agitation during mixing and application. Applications should be made immediately after the spray solution is prepared. If there is any delay in application, continue mix agitation. DO NOT allow the spray mixture to stand without agitation. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use. Do not apply if rainfall is expected within 6 hours after application. Do not use overhead irrigation within 6 hours after application.

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

DO NOT apply this product through any type of irrigation system.

Thorough coverage of all above ground plant parts is essential for control of infections caused by *Botrytis*. Proper calibration and operation of spray equipment is essential for successful

spraying. Consult the spray equipment manufacturer's operators manual, spray nozzle catalogs, and/or your crop advisor for more information.

**Avoid making more than two (2) consecutive applications of product. After the second application, use an alternative Botryticide for two consecutive applications before reapplying the active ingredient in this product. Consult your local Horticultural Advisor for the most appropriate alternative products.**

#### **APPLICATION RATES**

Carefully read and understand the following label for use information and restrictions.

**NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:** The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Arysta LifeScience North America, LLC and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Arysta LifeScience North America, LLC 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 Arysta LifeScience North America, LLC harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

#### **FIELD TOMATO TRANSPLANTS GROWN IN GREENHOUSE**

For the control of *Botrytis cinerea* (Gray mold) on field tomato transplants grown in greenhouse, apply 1.5 kg product per hectare (0.75 kg ai/ha) as a foliar spray. Repeat at 7 - 10 day intervals if conditions continue to favor disease development. Do not make more than 2 applications per crop cycle. Applications can be made up to transplanting but not less than sixty days prior to harvest (PHI = 60 days).

#### **GREENHOUSE CUCUMBER**

For the control of *Botrytis cinerea* (Gray mold) on greenhouse cucumber, apply 1.5 kg product per hectare (0.75 kg ai/ha) as a foliar spray. Apply in a spray volume of approximately 500 L (small plants) to 1500L (large/mature plants). Begin application when conditions favor disease development. Repeat after 7 days if conditions continue to favor disease. Do not make more than 2 applications per crop cycle. Applications can be made up to 1 day prior to harvest (PHI = 1 day). Do not apply more than 3.0 kg of DECREE 50 WDG per hectare per season. The application rate should be based on 1.5 kg product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 1000 litres of water per hectare, thoroughly mix 1.5 kg of product in 1000 litres of water and apply for coverage of all above-ground plant surfaces. Use care in mixing and application to avoid exceeding rates of 1.5 kg product per hectare regardless of the selected spray volume.

#### **GREENHOUSE LETTUCE**

For the control of *Botrytis cinerea* (Gray mold) on greenhouse lettuce, apply 1.5 kg product per hectare (0.75 kg ai/ha) as a foliar spray. Begin application when conditions favor disease development. Repeat after 7 days if conditions continue to favor disease. Do not make more than 2 applications per crop cycle. Applications can be made up to three days prior to harvest (PHI = 3 days). Do not apply more than 3.0 kg of DECREE 50 WDG per hectare per season.

#### **GREENHOUSE TOMATOES**

For the control of *Botrytis cinerea* (Gray Mold) on greenhouse tomatoes, apply 1.5 kg product per hectare (0.75 kg ai/ha) as a foliar spray. Repeat at 7-10 day intervals if conditions continue to favor disease. Do not make more than 3 applications per crop cycle. Applications can be made up to one day prior to harvest (PHI= 1 day). **GREENHOUSE TOMATOES CANNOT BE USED FOR PROCESSING.**

#### **GREENHOUSE PEPPERS**

For the control of *Botrytis cinerea* (Gray Mold) on greenhouse peppers, apply 1.5 kg product per hectare (0.75 kg ai/ha) as a foliar spray. Repeat at 7-10 day intervals if conditions continue to favor disease. Do not make more than 3 applications per crop cycle. Applications can be made up to one day prior to harvest (PHI= 1 day).

For field tomato transplants grown in greenhouse, greenhouse cucumber, greenhouse lettuce, greenhouse tomatoes and greenhouse peppers, the application rate should be based on 1.5 kg product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 1000 litres of water per hectare, thoroughly mix 1.5 kg of product in 1000 litres of water and apply for coverage of all above-ground plant surfaces. Use care in mixing and application to avoid exceeding rates of 1.5 kg product per hectare regardless of the selected spray volume.

#### **ORNAMENTALS - OUTDOOR-GROWN AND GREENHOUSE-GROWN**

(Such as African Violet, Geranium, Petunia, Poinsettia and Rose)

These directions are based upon the results of product testing programs. However, it is impossible to test this product with all species and cultivars. A small scale preliminary trial should be conducted to check the cultivar sensitivity before using this product on a large number of plants. For species not specifically listed on the label, the user assumes all crop injury risk from phytotoxicity or disease.

For control of *Botrytis cinerea* (Gray mold) of ornamentals, apply 1.12 kg product per hectare (0.56 kg AI/hectare). Begin applications when conditions favor disease development but prior to the establishment of disease. Applications should be made on a 7 to 14-day interval when new terminal growth is present using equipment capable of achieving thorough coverage. When conditions favor severe disease development apply on a 7-day interval.

The application rate should be based on a 1.12 kg product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 1000 litres of water per hectare, thoroughly mix 1.12 kg of product in 1000 litres of water and apply for coverage of all above-ground plant surfaces. Use care in mixing and application not to exceed rates of 1.12 kg product per hectare regardless of the selected spray volume.

For outdoor-grown ornamentals, DO NOT apply more than 6.8 kilograms product per hectare per year (3.4 kg ai/ha/year). DO NOT apply more than 6 times per year.

For green-house grown ornamentals, DO NOT apply more than 6.8 kilograms product per hectare per crop (3.4 kg ai/ha/crop). DO NOT apply more than 6 times per crop.

Fenhexamid was invented and is produced by Bayer AG, Germany.  
DECREE<sup>®</sup> is a registered trademark of Arysta LifeScience North America, LLC.