

# ELEVATE® 50 WDG FUNGICIDE

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| Group | <b>17</b> | Fungicide |
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**50% Water Dispersible Granule for Use as a Fungicide on various food crops.**

**Not for Residential Use**

**AGRICULTURAL**

**CAUTION**



**POISON**

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL BEFORE USING**

**ACTIVE INGREDIENT:**

Fenhexamid\* .....50%

\*Warning, contains the allergen, sulphites.

**REGISTRATION NO. 25900  
XXXXXXV001**

**PEST CONTROL PRODUCTS ACT**

**NET CONTENTS: 1KG**

**FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call  
CHEMTREC 1-800-424-9300**

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

**ARYSTA LIFESCIENCE CANADA INC.  
400 Michener Road, Unit 2  
Guelph, ON N1K 1E4**

## DIRECTIONS FOR USE

### GENERAL INFORMATION

ELEVATE® 50 WDG Fungicide is a cyclohexanecarboxamide protectant fungicide used for the control of gray mold (*Botrytis cinerea*) on grapes, ginseng, strawberries, raspberries (red and black), loganberries, blackberries, bushberries (blueberry currant, elderberry, gooseberry and huckleberry), and for the control of botrytis leaf blight (*Botrytis squamosa*) on green and dry bulb onion. ELEVATE 50 WDG also controls diseases caused by *Monilinia spp.* on cherries, peaches and nectarines. 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, thick mulch 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 labelled, within 30 days following the last application.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that ELEVATE 50 WDG contains a Group 17 fungicide. Any fungal population may contain individuals naturally resistant to ELEVATE 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 ELEVATE 50 WDG or other Group 17 fungicides with different groups that control the same pathogens. Avoid application of more than 2 consecutive sprays of ELEVATE 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 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 ARYSTA LIFESCIENCE NORTH AMERICA if reduced sensitivity of the pathogen to ELEVATE 50 WDG 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 as per Dir 99-06 and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact ARYSTA LIFESCIENCE NORTH AMERICA, LLC at 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 appropriate amount of ELEVATE 50 WDG Fungicide and remaining required water. This product should be properly suspended and diluted prior to the addition of AGRAL® 90 in grapes. 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. Applications should be made immediately after the spray solution is prepared. If there is any delay in application, continue mixing 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.

Apply using ground equipment only (such as boom type, air blast, hand gun or mist blower sprayers).

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

DO NOT replant food crops, other than those for which the product is labeled, within 30 days following the last application.

Thorough coverage of all above ground plant parts is essential for control of blossom and fruit infections caused by various diseases.

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.

## **APPLICATION RATES**

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

### **BUSHBERRIES (blueberry, currant, elderberry, gooseberry and huckleberry)**

For control of *Botrytis cinerea*, apply ELEVATE 50 WDG as a foliar treatment at a rate of 1.7 kg product/ha (0.85 kg ai/ha) with a maximum of four applications per season and a minimum interval of seven days. Ground applications only. Begin application at the 10% bloom stage. Applications can be made up to 1 day prior to harvest.

The application rate should be based on 1.7 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 1.7 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 1.7 kg product per hectare regardless of the selected spray volume.

Avoid making more than two consecutive applications with the active ingredient of ELEVATE 50 WDG. After the second application, use an alternative fungicide for two consecutive applications before reapplying the active ingredient in this product. Consult your local crop advisor for appropriate alternative products.

### **CHERRIES AND PEACHES/NECTARINES**

For control of diseases caused by *Monilinia spp.* (including blossom blight, twig or shoot blight and brown rot), apply ELEVATE 50 WDG as a foliar treatment at a rate of 1.7 kg product/ha (0.85 kg ai/ha) with a maximum of four applications per season for control of all diseases. Minimum interval of seven days. Ground applications by air blast or mist blower sprayers only (no aerial application equipment). Applications can be made up to 1 day prior to harvest.

### **TIMING OF APPLICATIONS**

- Blossom blight: Initiate applications during the pre-bloom to early bloom stages.
- Twig or Shoot blight: Apply during the late bloom to petal fall stages.
- Brown rot: Apply every 14 days up to 1 day before harvest (1 day PHI restriction)

The application rate should be based on 1.7 kg product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 3000 litres of water per hectare, thoroughly mix 1.7 kg of product in 3000 litres of water and apply for coverage of all above-ground plant surfaces. During mixing and application avoid exceeding rates of 1.7 kg product per hectare regardless of the selected spray volume.

Avoid making more than two consecutive applications with the active ingredient of ELEVATE 50 WDG. After the second application, use an alternative fungicide for two consecutive applications before reapplying the active ingredient in this product. Consult your local crop advisor for appropriate alternative products.

### **GRAPES**

For the control of *Botrytis* bunch rot (gray mold) on grapes, apply 1.12 kg product per hectare (0.56 kg ai/ha) tank mixed with Agral 90 at 0.02% v/v prior to disease establishment when conditions favour disease development at early bloom, bunch preclosure, veraison (beginning of fruit ripening) to two weeks after veraison and the final application, up to 7 days of harvest (PHI = 7 days). For the additional control of powdery mildew, and blackrot, ELEVATE 50 WDG may be tankmixed with NOVA® 40W when conditions favour disease development. Consult the NOVA 40W label for the appropriate application rates. DO NOT make more than 3 applications per season. DO NOT apply more than 3.4 kg of product per hectare per year (1.7 kg ai/ha/yr).

## **STRAWBERRIES**

For the control of *Botrytis cinerea* (Gray mold) on strawberries, apply 1.7 kg product per hectare (0.85 kg ai/ha) beginning prior to disease establishment and no later than 10% bloom, and continue applications every 7 to 14 days or when conditions favour disease development. For *Botrytis* and leaf spot control, ELEVATE 50 WDG Fungicide may be applied in a tank mix at a rate of 1.20 to 1.7 kg product per hectare (0.56 to 0.85 kg ai/ha) with the recommended rate of MAESTRO® 80 DF. DO NOT make more than 4 applications per season. The final application may be made up to 1 day prior to harvest (PHI = 1 day). DO NOT apply more than 6.8 kilograms product per hectare per year (3.4 kg ai/ha/yr).

### **NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:**

The **DIRECTIONS FOR USE** for the uses described in this section of the label were developed by persons other than ARYSTA LIFESCIENCE CANADA INC. under the User Requested Minor Use Label Expansion program. For these uses, ARYSTA LIFESCIENCE CANADA INC. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

## **GINSENG**

For control of *Botrytis cinerea*, apply ELEVATE 50 WDG as a foliar treatment at a rate of 1.7 kg product/ha (0.85 kg ai/ha) with a maximum of four applications per season and at 10-14 day intervals. Apply prior to disease establishment, when conditions favour disease development. Ground applications only. Applications can be made up to day of harvest (PHI = 0 days). DO NOT apply more than 6.8 kg of ELEVATE 50 WDG (3.4 kg ai)/ha/season.

The application rate should be based on 1.7 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 1.7 kg of product in 1000 litres of water and apply for coverage of all above-ground plant surfaces. During mixing and application avoid exceeding rates of 1.7 kg product per hectare regardless of the selected spray volume.

Avoid making more than two consecutive applications with the active ingredient of ELEVATE 50 WDG. After the second application, use an alternative fungicide for two consecutive applications before reapplying the active ingredient in this product. Consult your local crop advisor for appropriate alternative products.

## **RASPBERRIES (red and black), LOGANBERRIES AND BLACKBERRIES**

For the control of *Botrytis cinerea* (Gray Mold) on red and black raspberries, loganberries and blackberries, apply 1.7 kg product per hectare (0.85 kg ai/ha) as a foliar spray. Begin application at 10% bloom and continue up to 1 day prior to harvest (PHI = 1 day). Applications should be made every 7 days or when conditions favour disease development. DO NOT make

more than 4 applications per year. Ground applications only. DO NOT apply more than 6.8 kg product per hectare per year (3.4 kg ai/ha/yr).

### **ONIONS**

For the control of botrytis leaf blight (*Botrytis squamosa*) on onion (green and dry bulb) apply 1.12 – 1.7 kg product per hectare (0.56 – 0.85 kg ai/ha) as a foliar spray. Apply the higher rate under conditions conducive for disease development. Repeat at 7-14 day intervals if conditions continue to favor disease. Do not make more than 3 applications per year Applications can be made when conditions are favorable for disease development and up to 1 day prior to harvest (PHI = 1 day). Use sufficient water to obtain thorough coverage.

### **PRECAUTIONS**

#### **KEEP OUT OF REACH OF CHILDREN.**

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 10 days to perform hand weeding in onions. For all other post-application activities, DO NOT enter or allow worker entry into treated areas during the REI of 12 hours.

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, 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, socks, shoes, and chemical-resistant gloves during mixing, loading, application, clean up and repair. Chemical resistant gloves are not required when applying within a closed cab.

For application to cherries, peaches and nectarines, wear a hat during activities. Also, use either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge and a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE canister approved for pesticides.

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 website at: [www.croplife.ca](http://www.croplife.ca).

| <b>FIRST AID</b>  |  |
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| <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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. 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. |  |

**FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE: 1-866-303-6952**

### **TOXICOLOGICAL INFORMATION**

Treat symptomatically.

### **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/estuarine habitats through overspray, cleaning of equipment and containers, or disposal of waste.

When a tank mixture is used, consult the label of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

For application by airblast/vineyard sprayers:

Do not direct spray above trees/vines 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 as measured outside of the orchard/vineyard on the upwind side.

For the protection of non-target habitats, overspray or drift to sensitive habitats must be avoided. A buffer zone of 7 meters is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats such as lakes, rivers, sloughs, ponds, coulees, prairie 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 contaminated area with soap and water. Pick up wash liquid with additional absorbent and place in a disposable container.

**FOR 24-HOUR CHEMICAL EMERGENCY (Spills, Leak, Fire, Exposure, or Accident) Assistance, Call CHEMTREC 1-800-424-9300.**

### **DISPOSAL**

Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of the 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 offense under the *PEST CONTROL PRODUCTS ACT* to use this product in a way that is inconsistent with the directions on the label.

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