

ELEVATE® 50 WDG FUNGICIDE

| | | |
|-------|-----------|-----------|
| Group | 17 | Fungicide |
|-------|-----------|-----------|

50% Water Dispersible Granule for Use as a Fungicide on various food crops.

DO NOT use in residential areas. Residential areas are defined as sites where bystanders, including children, may be potentially exposed during or after spraying. This includes around homes, schools, parks, playgrounds, playing fields, public buildings or any other areas where the general public, including children, could be exposed.

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

PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1KG

For Product Information: 1-800-438-6071

**UPL AgroSolutions Canada Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406**

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

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.

| FIRST AID | |
|---|--|
| 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. |
| 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 swallowed | 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. |
| 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.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

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. Apply only to agricultural crops when the potential for drift to areas of human habitation and 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.

For application using handheld airblast/mistblower, wear chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

For all other application equipment, and during mixing, loading, clean-up, and repair wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Gloves are not required during application within a closed cab.

DO NOT enter or allow worker entry into treated areas during the restricted entry intervals (REIs) specified in the following table:

| Crop | Activity | REI and/or PHI |
|---|---|----------------|
| Bushberries (blueberry, currant, elderberry, gooseberry, and huckleberry), raspberries (red and black), loganberries and blackberries, strawberries | Harvesting (hand, mechanical) | 1 day |
| | All other activities | 12 hours |
| Ginseng | All activities | 12 hours |
| Cherries and peaches/nectarines | Thinning fruit by hand | 3 days |
| | Harvesting (hand, mechanical) | 1 day |
| | All other activities | 12 hours |
| Grapes | Girdling, turning | 40 days |
| | Harvesting (hand, mechanical) | 7 days |
| | Leaf pulling by hand, tying/training (full foliage) | 5 days |
| | All other activities | 12 hours |
| Onions | Hand weeding | 10 days |
| | All other activities | 12 hours |

REI = restricted-entry interval; PHI = pre-harvest interval

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.

ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS for USE.

Toxic to small wild mammals.

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. To prevent contamination, store this product away from food and feed.

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 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 provincial regulatory agency in case of a spill and for clean up of spills.

DIRECTIONS FOR USE

GENERAL INFORMATION

ELEVATE® 50 WDG Fungicide is a cyclohexanecarboxamide protectant fungicide used for the control of Gray mold, *Botrytis cinerea*, on blackberries, bushberries (blueberry currant, elderberry, gooseberry and huckleberry), ginseng, grapes, loganberries, raspberries (red and black) and strawberries, 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 Group 17 fungicides in the same 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 UPL AgroSolutions Canada Inc. 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 UPL AgroSolutions Canada Inc at 1-800-438-6071.

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 in greenhouses.

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.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

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

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

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application

of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

Spray Buffer zones:

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

| Method of application | Crop | | Buffer Zones (metres) Required for the Protection of: | |
|-----------------------|---|--------------------|---|------------------|
| | | | Freshwater Habitat of Depths: | |
| | | | Less than 1 m | Greater than 1 m |
| Field sprayer | Blueberry, currant, elderberry, gooseberry, huckleberry, raspberry, loganberry, blackberry, strawberry, ginseng, onions | | 1 | 1 |
| | Grapes | | 1 | 0 |
| Air blast | Blueberry, currant, elderberry, gooseberry, huckleberry, cherry, peach, nectarine, raspberry, loganberry, blackberry, strawberry, ginseng | Early growth stage | 20 | 1 |
| | | Late growth stage | 10 | 1 |
| | Grapes (for control of <i>Botrytis cinera</i>) | Early growth stage | 10 | 0 |
| | | Late growth stage | 5 | 0 |
| | Grapes (for control of powdery mildew) | Early growth stage | 3 | 0 |
| | | Late growth stage | 2 | 0 |

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

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 re-application interval of seven days. Ground applications only. A spray volume of 500-1500 L/ha is recommended. 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. A spray volume of 500-1500 L/ha is recommended. Minimum re-application interval of seven days must be observed. Ground applications by air blast or mist blower sprayers only (no aerial application). 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 1500 litres of water per hectare, thoroughly mix 1.7 kg of product in 1500 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.

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. A spray volume of 500-1500 L/ha is recommended. 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.

GRAPES

A maximum of 3 applications per year are permitted on grapes.

For 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. A spray volume of 500-1500 L/ha is recommended. Apply preventatively prior to disease establishment, when conditions favour disease development. Applications can be made at early bloom, bunch preclosure, veraison (beginning of fruit ripening) to two weeks after veraison, or up to 7 days before harvest (PHI = 7 days). Make only one application per year when targeting *Botrytis*.

For control of powdery mildew, and blackrot, ELEVATE 50 WDG may be tankmixed with NOVA® FUNGICIDE when conditions favour disease development. Consult the NOVA FUNGICIDE label for the appropriate application rates. DO NOT make more than 3 applications per season when targeting powdery mildew or blackrot. DO NOT apply more than 3.4 kg of product per hectare per year (1.7 kg ai/ha/yr).

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. A spray volume of 500-1500 L/ha is recommended. Begin application at 10% bloom and continue up to 1 day prior to harvest (PHI = 1 day). Minimum re-application interval of 7 days must be observed. 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).

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 when conditions favour disease development. For *Botrytis* and leaf spot (*Mycosphaerella fragariae*) control, ELEVATE 50 WDG Fungicide may be applied in a tank mix at a rate of 1.20 to 1.7 kg ELEVATE 50 WDG 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 of ELEVATE 50 WDG 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).

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. For the control of *Botrytis* spp. 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. Repeat development. Repeat at 7-14 days intervals if conditions

continue to favor disease. Do not make more than 3 applications per crop cycle/year/season. 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.

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