

GROUP	11	FUNGICIDE
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ABOUND Flowable Fungicide

COMMERCIAL

For Use in Controlling Diseases in Grapes

GUARANTEE:

Azoxystrobin 250 g/L

Contains 1,2-benzisothiazolin-3-one at 0.031% as a preservative.

**READ THE LABEL AND PAMPHLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

CAUTION: EYE IRRITANT

REGISTRATION NO: **26536**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to 10 L**

Syngenta Crop Protection Canada, Inc.
140 Research Lane, Research Park
Guelph, ON
N1G 4Z3

Label

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the *PEST CONTROL PRODUCTS ACT* to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product, and accepts the product on that condition.

FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, induce vomiting. Get medical attention or call a poison control centre **IMMEDIATELY**. If patient is unconscious, move subject to fresh air.

If on skin, wash with plenty of soap and water.

If in eyes, hold eye open and rinse slowly and gently with water for a few minutes. Remove contact lenses, if any. Continue to rinse eyes for 10-15 minutes. Seek medical attention or contact a poison control centre **IMMEDIATELY** if irritation persists or is severe.

TOXICOLOGICAL INFORMATION

No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhoea and abdominal pain may occur. Treat symptomatically.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

May irritate eyes. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash with soap and water after handling, and before eating, drinking or smoking. Wash contaminated clothing, separately from household laundry, before re-use. Do not wear contaminated shoes.

Wear long-sleeved shirt and long pants when mixing, loading and applying and during clean-up and repair activities. Wear chemical resistant gloves during mixing and loading and when applying by hand wand.

Do not re-enter treated fields until residues have dried.

This product demonstrates the properties and characteristics associated with compounds detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Do not contaminate irrigation water, lakes, streams or ponds by cleaning of equipment or disposal of wastes.

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., contact 1-866-375-4648 or www.croplife.ca.

STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Do not store below 0°C.

SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada, Inc. (See EMERGENCY TELEPHONE NUMBER) for further information.

For spills and leaks - contain the liquid with dikes of inert material (soil, clay, kitty litter etc.). Absorb the spill onto inert material and shovel into a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. 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 clean-up of spills.

DECONTAMINATION AND DISPOSAL

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 clean up of spills.

CONTAINER DISPOSAL:

FOR DISPOSAL OF PLASTIC JUGS:

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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

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PRODUCT INFORMATION

ABOUND Flowable Fungicide is a broad spectrum, preventative fungicide with systemic properties recommended for the control of plant diseases of grapes. ABOUND Flowable Fungicide is to be applied as a foliar spray. Optimum disease control will be obtained by protective treatments prior to disease establishment. Refer to the specific use directions for each crop for detailed instructions on rates, application timing and technique.

CAUTION: ABOUND Flowable Fungicide has been shown to be extremely phytotoxic to certain apple and crabapple varieties.

AVOID SPRAY DRIFT. ABOUND Flowable Fungicide should not be applied where there is the possibility of spray drift reaching apple or crabapple trees.

DO NOT spray when conditions favour drift beyond area intended for application. Conditions, which may contribute to drift, include thermal inversion, wind speed and direction, sprayer nozzle / pressure combinations, spray droplet size, etc.

DO NOT use sprayers used to apply ABOUND Flowable Fungicide to spray apples or crabapples. Even trace amounts can cause unacceptable phytotoxicity.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

DO NOT apply ABOUND Flowable Fungicide through irrigation equipment.

DO NOT APPLY BY AIR.

ABOUND Flowable Fungicide should be applied as part of a spray program in alternation with other registered fungicides that have a different mode of action, and to which pathogen resistance has not developed. Do not apply more than two (2) consecutive applications of ABOUND Flowable Fungicide, or other fungicide in the same group, in a season. Do not apply more than three (3) applications of ABOUND Flowable Fungicide per year in total to grapes. Do not apply at rates lower than recommended on the label.

DIRECTIONS FOR USE

GRAPES: To control **Powdery Mildew** (*Uncinula necator*), **Downy Mildew** (*Plasmopara viticola*), and **Black Rot** (*Guignardia bidwellii*), apply 0.8 to 1.0 litres per hectare of ABOUND Flowable Fungicide as a foliar spray in sufficient water for thorough coverage, in a protectant fungicide spray program. Refer to the following table for guidance on suggested application timings.

Apply ABOUND Flowable Fungicide as a protectant prior to disease infection as part of an integrated disease management program. Begin ABOUND Flowable Fungicide applications early in spring as a component of a protectant fungicide spray program (refer to Resistance Management section, below). Follow recommendations provided by local disease monitoring services or provincial spray calendars regarding the appropriate application timing for protectant fungicides in your area. Cultural practices such as canopy management and removal of overwintered plant debris should be integrated with the use of fungicides to reduce disease incidence. Use the higher listed rates under conditions of heavy infection pressure, on highly susceptible varieties, or when environmental conditions are favourable for disease development.

Under Canadian conditions, use of this product on grapes may result in higher residue levels than the tolerance established by the US EPA.

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., contact 1-866-375-4648 or www.croplife.ca.

SUGGESTED APPLICATION TIMINGS FOR DISEASE CONTROL IN GRAPES WITH ABOUND FLOWABLE FUNGICIDE

DISEASE	RATE (litres product/ha)	DIRECTIONS
Black Rot (<i>Guignardia bidwellii</i>)	0.8 to 1.0	Make first application approximately one week after first leaves have expanded from buds. Apply additional sprays on a 10 to 14 day interval or as advised by local disease monitoring services.
Downy Mildew (<i>Plasmopara viticola</i>)	0.8 to 1.0	Make first application at prebloom. Apply additional sprays on a 10 to 14 day interval or as advised by local disease monitoring services. A preharvest application will provide protection from late season infection.
Powdery Mildew (<i>Uncinula necator</i>)	0.8 to 1.0	Make first application at bloom. Apply additional sprays on a 10 to 14 day interval or as advised by local disease monitoring services. A preharvest application will provide protection from late season infection.

Do not make more than two (2) consecutive ABOUND Flowable Fungicide applications and follow with one alternative treatment with a fungicide having a different mode of action

Do not make more than three (3) applications per year in total.

Do not apply within 14 days of harvest.

Airblast application - Overspray or drift to sensitive habitats should be avoided. A buffer zone of 1

metre is required between the nozzles and sensitive terrestrial habitats including forested areas, shelterbelts, woodlots, hedgerows, and shrublands. A buffer zone of 13 metres (early season) or 6 metres (late season) is required between the nozzles and sensitive aquatic habitats including sloughs, ponds, prairie potholes, lakes, rivers, streams, and wetlands. Do not contaminate these habitats when cleaning and rinsing spray equipment and containers.

Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 15 km/hr at 2 metres above ground at the site of application.

General Mixing Instructions: Partially fill the spray tank with clean water and begin agitation. Add the specified amount of ABOUND Flowable Fungicide to the tank. Finish filling the tank to the desired volume to obtain the required spray concentration, maintain agitation. Maintain agitation throughout the spraying operation. If the spray mixture is left to stand for a prolonged period (ie. overnight), vigorous agitation will be required to re-suspend the fungicide.

Resistance Management

For resistance management, ABOUND Flowable Fungicide contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to ABOUND Flowable Fungicide and other Group 11 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 ABOUND Flowable Fungicide or other Group 11 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and consecutive sprays of ABOUND Flowable Fungicide or other fungicides in the same group in a season.

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 sign of 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.

Use tank mixtures with fungicides from a different group when such use is permitted.

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 or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.