

2020-3713  
2021-12-06

GROUP	9	12	FUNGICIDES
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## ASTOUND® Fungicide

### FUNGICIDE

### WETTABLE GRANULES

### AGRICULTURAL

Fungicide for control or suppression of listed diseases on canola, Crop Subgroup 6C (dried shelled pea and bean, except soybean) and succulent beans.

### ACTIVE INGREDIENTS:

Cyprodinil .....	37.5%
Fludioxonil .....	25.0%

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

**CAUTION – EYE IRRITANT**

REGISTRATION NO.: **29648**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 kg to 1000 kg**

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario N1G 4Z3  
Telephone: 1-877-964-3682

**Label**

## 1.0 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.

## 2.0 FIRST AID

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

**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 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.

**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.

## 3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote known. Treat symptomatically. If large amount has been ingested and emesis is inadequate, lavage stomach. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## 4.0 PRECAUTIONS

### Safety Precautions

**KEEP OUT OF REACH OF CHILDREN**. Avoid contact with eyes or prolonged contact with skin or clothing. Avoid inhalation of dust. Causes moderate eye irritation. **Do not re-enter treated area within 12 hours after application**. Do not eat, drink or smoke while mixing or during application. Change and wash clothing immediately after use. Wash hands and face before eating, drinking, smoking or using the toilet.

Do not apply this product through any type of irrigation system.

Apply to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

**USE ONLY ON CROPS AS LISTED ON THIS LABEL.**

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

**STORE IN A DRY PLACE.**

**5.0 PERSONAL PROTECTIVE EQUIPMENT**

Wear coveralls over a long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves during mixing and loading. Wear a long-sleeved shirt, long pants and shoes plus socks during application, clean-up and repair. Wear goggles during application.

Store and wash all protective clothing separately from household laundry. Wash clothing in detergent and hot water before reuse.

**6.0 ENVIRONMENTAL PRECAUTIONS**

This product is TOXIC to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

DO NOT apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries, or marine habitats.

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

Fludioxonil is persistent and may carryover. It is recommended that any products containing fludioxonil not be used in areas treated with this product during the previous season.

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 when heavy rain is forecast.

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

**7.0 STORAGE**

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

## 8.0 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.

### **For Recyclable Containers**

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.

### **For Refillable Containers**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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

ASTOUND® is a trademark of a Syngenta Group Company.

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Booklet

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## TABLE OF CONTENTS

	<u>Section Number</u>
NOTICE TO USER .....	1.0
FIRST AID .....	2.0
TOXICOLOGICAL INFORMATION .....	3.0
PRECAUTIONS.....	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE) .....	5.0
ENVIRONMENTAL PRECAUTIONS .....	6.0
STORAGE .....	7.0
DISPOSAL .....	8.0
PRODUCT INFORMATION .....	9.0
DIRECTIONS FOR USE .....	10.0
General Information .....	10.1
Ground Application .....	10.2
Mixing Instructions .....	10.2.1
Aerial Application .....	10.3
Operator Precautions .....	10.3.1
Spray Buffer Zones .....	10.4
Rotational Crop Restrictions .....	10.5
CROP USE DIRECTIONS .....	11.0
ASTOUND Fungicide Tank Mix with MATADOR 120EC Insecticide.....	11.1
RESISTANCE MANAGEMENT RECOMMENDATIONS .....	12.0

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Do not apply this product through any type of irrigation system.

Apply to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

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Store and wash all protective clothing separately from household laundry. Wash clothing in detergent and hot water before reuse.

**6.0 ENVIRONMENTAL PRECAUTIONS**

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DO NOT apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries, or marine habitats.

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Fludioxonil is persistent and may carryover. It is recommended that any products containing fludioxonil not be used in areas treated with this product during the previous season.

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 when heavy rain is forecast.

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

**7.0 STORAGE**

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

## 8.0 DISPOSAL

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CALL 1-800-327-8633 (FASTMED)***

## 9.0 PRODUCT INFORMATION

ASTOUND® Fungicide is a broad-spectrum fungicide for the control of listed diseases.

**FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.**

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control.

## 10.0 DIRECTIONS FOR USE

### 10.1 General Information

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.

Feeding Restriction: **DO NOT** graze or feed treated field pea hay, field pea vines/silage, cowpea forage and cowpea hay to livestock.

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

## 10.2 Ground Application

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) fine classification. Boom height must be 60 cm or less above the crop or ground.

For ground application equipment, a minimum of 200 L of water per hectare is recommended.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as crop injury may occur.

Equip sprayers with nozzles that provide accurate and uniform application. Calibrate sprayer before use.

Use a pump with capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep the mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation. Do not air sparge.

It is suggested that screens be used to prevent nozzles from clogging. Screens placed after the tank and before the nozzles should be 50-mesh or coarser. Check nozzle manufacturer's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturers and provincial recommendations.

### 10.2.1 Mixing Procedures

Prepare only the amount of spray mixture that is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

1. Add ½ of the required amount of water to the mix tank.
2. With the agitator running, add the ASTOUND Fungicide to the tank.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the solution after the ASTOUND Fungicide has completely dispersed into the mix water.
5. Maintain agitation until all of the mixture has been applied.

## 10.3 Aerial Application

Aerial application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height

at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. The nozzle distributions along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Do not overspray non-target terrestrial or aquatic habitats. Do not contaminate aquatic habitats when cleaning or rinsing spray equipment or containers. Do not apply with spray droplets smaller than the ASAE medium classification. Aerial drift is increased under certain meteorological conditions. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not spray when wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat. Apply in at least 45 litres of water per hectare.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

### 10.3.1 Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

## 10.4 Spray Buffer Zones

Use of the following spray methods or equipment **DOES NOT** require a spray buffer zone: hand-held or backpack sprayer and spot treatment.

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	Spray Buffer Zones (metres) Required for the Protection of Freshwater Habitat of Depths		
		Less than 1 m	Greater than 1 m	
Field sprayer	Canola	2	1	
	Chickpeas, dry beans, dry peas, lentils	5	1	
Aerial	Canola	Fixed Wing	10	2
		Rotary Wing	10	2

For tank mixes, 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 (ASABE) 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.

### 10.5 Rotational Crop Restrictions

Do not plant any other crop for a period of 30 days after harvest or crop failure unless ASTOUND Fungicide or SWITCH® 62.5WG Fungicide is registered for that use.

### 11.0 CROP USE DIRECTIONS

Crop	Diseases	Product Rate in g/ha	Application Method	Application Timing
Canola	Rot ( <i>Sclerotinia sclerotiorum</i> )	775 to 975	Ground	Apply one application at 20 – 50% bloom. Apply in sufficient water volume to obtain thorough coverage; a minimum spray volume of 200 L/ha is recommended. Do not apply within 35 days of harvest. Apply the higher rate under conditions of high disease pressures.
		775 to 975	Aerial	Apply one application at 20 – 50% bloom. Apply in sufficient water volume to obtain thorough coverage; a minimum spray volume of 45 L/ha is recommended. Do not apply within 35 days of harvest. Apply the higher rate under conditions of high disease pressures.

Crop	Diseases	Product Rate in g/ha	Application Method	Application Timing
<p><b>CROP SUBGROUP 6C:</b> Dried shelled pea and bean (except soybean) Including: chickpea (garbanzo bean) (<i>Cicer arietinum</i>), beans (<i>Lupinus</i> spp. including grain lupin, sweet lupin, white lupin, white sweet lupin), beans (<i>Phaseolus</i> spp. including field bean, kidney bean, lima bean (dry), , navy bean, pinto bean, tepary bean, ), broad bean (fava bean) (<i>Vicia faba</i>), beans (<i>Vigna</i> spp. adzuki bean, , black-eyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Guar (<i>Cyamopsis tetragonoloba</i>); Lablab bean or Hyacinth bean (<i>Lablab purpureus</i>); Lentil (<i>Lens esculenta</i>); Pea (<i>Pisum</i> spp.) (includes field pea) Pigeon pea (<i>Cajanus cajan</i>)</p> <p><b>The Following Succulent Beans:</b> Bean (<i>Phaseolus</i> spp.) (includes lima bean, snap bean and wax bean) Bean (<i>Vigna</i> spp.) (includes blackeyed pea, asparagus bean) Broad bean (fava bean) (<i>Vicia faba</i>)</p>	Control of White mold ( <i>Sclerotinia sclerotiorum</i> ) and Grey mold ( <i>Botrytis cinerea</i> )	775 - 975	Ground	<p>Begin applications prior to or at the onset of disease and repeat applications at 7 day intervals if conditions remain favourable for disease development.</p> <p>For white mold control, make the first application at 10-20% bloom. In some locations, a single application at this timing will provide adequate disease control.</p> <p>Apply the higher application rate under conditions of high disease pressure.</p> <p>Apply in sufficient water to ensure thorough coverage: Ground: 175 – 225 L of water/ha.</p> <p>Do not apply more than 1.1 kg ai/ha of cyprodinil products and 0.73 kg ai/ha of fludioxonil containing products per crop.</p> <p>DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p> <p>Do not apply within 7 days of harvest.</p>

### 11.1 ASTOUND Fungicide Tank Mix with MATADOR®120EC Insecticide

ASTOUND Fungicide can be tank mixed with MATADOR 120EC Insecticide for foliar disease and insect control. Apply ASTOUND Fungicide at a rate of 775 to 975 g/ha in a tank mix with MATADOR 120EC Insecticide at a rate of 83 mL/ha for control of insects and diseases on canola. Refer to both the ASTOUND Fungicide and MATADOR 120EC Insecticide labels for diseases and insects controlled, specific application instructions and precautions. Pests and crops must be at the correct stage as specified on the ASTOUND Fungicide and the MATADOR 120EC Insecticide labels. DO NOT apply more than 1 application per season of this tank mix. PHI 35 days of harvest. Ground and aerial application.

### 12.0 Resistance Management Recommendations

For resistance management, ASTOUND Fungicide contains a Group 9 and Group 12 Fungicide. Any fungal population may contain individuals naturally resistant to ASTOUND Fungicide and other Group 9 and Group 12 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 ASTOUND Fungicide or other Group 9 and Group 12 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and do not apply more than 2 consecutive sprays of ASTOUND Fungicide or other fungicides in the same groups 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.

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 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

ASTOUND®, MATADOR®, and SWITCH® are trademarks of a Syngenta Group Company.