



## Amity™ WDG Herbicide

GROUP	2	HERBICIDE
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COMMERCIAL (AGRICULTURAL)

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA  
(INCLUDING THE PEACE RIVER REGION) ONLY

ACTIVE INGREDIENT: Imazamox ..... 70%  
Water Dispersible Granular Herbicide in water-soluble bags

Warning, contains the allergen sulfites

REGISTRATION NO. 33180 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 470 g (4 x 117.5 g water-soluble bags)

WARNING - EYE IRRITANT

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

DO NOT SELL INDIVIDUAL WATER-SOLUBLE BAGS SEPARATELY

**Corteva Agriscience Canada Company**

Suite 240, 115 Quarry Park Rd. SE  
Calgary, AB  
T2C 5G9  
1-800-667-3852

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

DO NOT APPLY BY AIR.

Skin irritant.  
WARNING - EYE IRRITANT  
May cause eye damage.

Wear a long-sleeved shirt and long pants during all activities, and wear chemical-resistant gloves and goggles or face shield during mixing/loading, clean-up and repair activities.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

**FIRST AID**

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. 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.

**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.

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**STORAGE**

Store above 5°C. Store this product away from food or feed. Store in a cool, dry place away from children, animals or fertilizers. Keep unused water-soluble bags in resealed original container. Keep packages dry at all times. Keep packages out of rain. Keep from freezing.

**DISPOSAL**

When all the water-soluble bags are used, make the empty outer package unsuitable for further use.

Dispose of the outer package in accordance with provincial/ territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/ territorial regulatory agency. Contact the manufacturer and the provincial/ territorial 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 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.

## ENVIRONMENTAL PRECAUTIONS

- TOXIC to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.
- 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 filter strip between the treated area and the edge of the water body.
- This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait) and Clearfield Canola<sup>1</sup> Quality *Brassica juncea* (canola quality *Brassica juncea* varieties with the Clearfield trait)

### DIRECTIONS FOR USE (Prairie Provinces and Peace River Region of British Columbia only)

Amity™ WDG is a selective herbicide that can be applied as an early post-emergence treatment in Clearfield Canola<sup>1</sup> and Clearfield Canola<sup>1</sup> Quality *Brassica Juncea*.

When Amity WDG is applied early post-emergence, absorption may occur through both the roots and foliage. Susceptible weeds stop growing and eventually die.

DO NOT apply more than once per year.

DO NOT graze the treated Clearfield Canola<sup>1</sup> or Clearfield Canola<sup>1</sup> quality *Brassica juncea* or cut for hay within 20 days of application.

Pre-harvest Interval: After 60 days, canola and Clearfield Canola<sup>1</sup> Quality *Brassica juncea* can be harvested.

### 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.

DO NOT apply by air.

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.

### Tank Mixtures

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or [www.corteva.ca](http://www.corteva.ca) for information before applying any tank mix that is not specifically recommended on this label.

## 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 terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

Method of Application	Crop	Spray Buffer zones (metres) Required for the Protection of Terrestrial Habitat
Field sprayer	All crops	1

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.

## BROADLEAF WEED AND GRASS CONTROL

Amity WDG at 21 g/ha (15 g a.e./ha) will control only:	
Lamb's-quarters*	Volunteer spring wheat
Stinkweed	(non-Clearfield tolerant wheat)
Wild mustard	
Amity WDG at 29 g/ha (20 g a.e./ha) will control:	
Barnyard grass	Volunteer barley
Cleavers*	Volunteer canary seed
Cow cockle	Volunteer canola (non-Clearfield tolerant canola only)
Green foxtail	Volunteer durum wheat
Green smartweed	Volunteer spring wheat (non-Clearfield tolerant wheat)
Japanese brome grass*	Volunteer tame oats
Kochia*	Wild buckwheat*
Lamb's-quarters	Wild mustard
Persian dandelion	Wild oats
Redroot pigweed	Yellow foxtail
Round-leaved mallow*	
Russian thistle	
Shepherd's purse	
Stinkweed	

\* = suppression only

Apply in 100 L/ha of water with Surjet or Merge Adjuvant at a rate of 0.5% v/v (e.g. 5 L of adjuvant per 1000 L spray solution).

**Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait)**

Application should be made from the 2 to 6 true leaf stage of the canola crop and after the weeds have emerged. To control broadleaf weeds, apply Amity WDG from the cotyledon to the 4-leaf stage. To control grasses, apply Amity WDG from the 1 to 4-true leaf stage until early tillering. Initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.

**Clearfield Canola<sup>1</sup> Quality *Brassica juncea* (canola quality *Brassica Juncea* varieties with the Clearfield trait)**

Application should be from the 2 to 6 true leaf stage of the crop and after the weeds have emerged. To control broadleaf weeds, apply Amity WDG from the cotyledon to the 4-leaf stage. To control grasses, apply Amity WDG from the 1 to 4 true leaf stage until early tillering. Initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.

**TANK-MIX COMBINATION****Amity WDG + Lontrel XC Herbicide in Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait)**

Amity WDG may be tank-mixed with Lontrel XC Herbicide in Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait).

<b>Timing</b>	Early post-emergence						
<b>Rate</b>	29 g/ha Amity WDG + 125 mL/ha Lontrel XC Herbicide						
<b>Water Volume</b>	100 L/ha						
<b>Surfactant/Adjuvant</b>	Add Surjet or Merge Adjuvant – 0.5% v/v						
<b>Weeds Controlled</b>	<p>This tank-mix combination will provide control of weeds as listed on the Amity WDG. Refer to Broadleaf weed and Grass control Section. Improved weed control with the tank mix vs. Amity WDG alone.</p> <table border="1"> <thead> <tr> <th>Control</th><th>Top Growth Control</th></tr> </thead> <tbody> <tr> <td>Wild buckwheat</td><td>Canada thistle</td></tr> <tr> <td>Annual sow thistle</td><td>Perennial sow thistle</td></tr> </tbody> </table>	Control	Top Growth Control	Wild buckwheat	Canada thistle	Annual sow thistle	Perennial sow thistle
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<b>Remark</b>	<p>Application should be made from the 2 to 6 leaf stage of the canola crop and after the weeds have emerged.</p> <p>To control broadleaf weeds, apply Amity WDG from the cotyledon to the 4-leaf stage. To control grasses, apply Amity WDG from the 1 to 4 true leaf stage until early tillering. Initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p> <p>For tank mixing, see mixing instructions.</p> <p>Refer to Tank mix rotational crop restrictions for details.</p>						

**Tank Mix Rotational Crop Restrictions****Amity WDG + Lontrel XC Herbicide in Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait)**

Fields previously treated with tank mix can be seeded to wheat, barley, oats and rye (not under-seeded to forage legumes, clover or alfalfa), canola, corn, field peas, flax, forage grasses or can be summer-fallowed. Seed only those crops listed above in the year following treatment.

Do not seed to field peas for at least 10 months following treatment. Very dry soil conditions following application can result in a risk of injury to field peas grown in rotation. If severe drought conditions are

experienced during the months of June to August inclusive in the year of application, delay seeding field peas an additional 12 months (total 22 months following application). Contact your local Corteva Agriscience Canada representative or retailer for more information before seeding field peas following drought conditions in the previous year.

### **Tank Mix Pre-harvest / Grazing Interval**

Do not harvest the treated crop within 60 days of application.

### **MIXING INSTRUCTIONS**

1. Use 100 L/ha of water.
2. Use a 50-mesh (or coarser) filter screen.
3. Fill the spray tank with three-quarters of the required amount of clean water, start agitation and continue agitation throughout the entire mixing and spraying procedure.
4. Add the required amount of Amity WDG soluble bag(s) directly into the sprayer through the tank opening.
5. Agitate for at least ten minutes to dissolve the herbicide. After the herbicide is dissolved, continue agitation.
6. For Amity WDG + Lontrel XC Herbicide tank mix, add recommended Lontrel XC Herbicide.
7. If required, add the required amount of Merge or Surjet Adjuvant. If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. Halt).
8. Complete filling the tank to the desired level with water. If agitation is stopped for more than 5 minutes, re-suspend spray solution by full agitation prior to commencing spraying again.
9. Between loads of Amity WDG and Lontrel XC Herbicide, check in-line and nozzle screens and rinse clean if necessary.
10. Upon completion of spraying Amity WDG or the tank mix, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

### **FOLLOW CROPPING**

Winter wheat can be planted 3 months after treatment (3 MAT) as a rotational crop.

Initial crop injury to non-Clearfield canola may be observed. Avoid spray overlap as yield reduction may result. The following crops may be grown safely the year following an application:

Canary seed  
Field corn  
Field peas  
Clearfield Canola<sup>1</sup> (canola varieties with the Clearfield trait)  
Non-Clearfield canola  
Lentils  
Spring wheat  
Durum wheat  
Spring barley  
Sunflower  
Tame oats  
Flax  
Chickpeas  
Clearfield Sunflowers<sup>1</sup> (sunflower varieties with the Clearfield trait)

The following crop may be grown safely two years following an application:

Mustard (condiment type only)

There are insufficient data for other follow crops. Conduct a field bioassay (a test strip grown to maturity) the year before growing any crop other than those listed above.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Amity WDG is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to Amity WDG and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. 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 herbicide resistance:

- Where possible, rotate the use of Amity WDG or other Group 2 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Corteva Agriscience Canada Company at 1-800-667-3852 or [www.corteva.ca](http://www.corteva.ca).

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All other products listed are registered trademarks of their respective companies.

<sup>1</sup> *Methods of growing plants which are resistant to certain acetohydroxyacid synthase (AHAS) herbicides are protected by Canadian Patent No. 1341465. The use of this product in the practice of patented methods could constitute patent infringement.*

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Label code: CN-33180-004-E

Replaces: CN-33180-003-E

Specimen Notes:

Updated tank mix statement and address change