

27-APR-2010
2009-3956

GROUP	2	HERBICIDE
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AC 299,263 120 AS

Herbicide Solution

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND
PEACE RIVER AREA OF BRITISH COLUMBIA ONLY
ON IMAZAMOX TOLERANT WHEAT

AGRICULTURAL

GUARANTEE: Imazamox120 g/L (present as ammonium salt)

Contains 1,2 benzisothiazolin-3-one at 0.019% as a preservative

REGISTRATION NO. 26705 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1.34 L

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673

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

BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

(Back Panel of the Jug)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

DO NOT APPLY BY AIR.

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

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

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 web site at www.croplife.ca.

ENVIRONMENTAL HAZARDS

This product is toxic to non-target plants. Observe buffer zones specified under Directions for Use.

It is recommended that this product not be applied when heavy rain is forecast.

FIRST AID

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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

Store above 5° C.

Store in a cool, dry place away from children, animals, food, feed or fertilizers.

Keep from freezing.

DISPOSAL

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 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.

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.

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REGISTRATION NO. 26705

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TOXICOLOGICAL INFORMATION

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FOR IMAZAMOX TOLERANT WHEAT¹
(e.g., Wheat varieties with the CLEARFIELD® trait)

DIRECTIONS FOR USE (Prairie Provinces and Peace River Area of British Columbia)

AC 299,263 120 AS Herbicide Solution is a selective herbicide that can be applied as an early post-emergent treatment in imazamox tolerant wheat. When AC 299,263 120 AS Herbicide Solution is applied early post-emergence, absorption may occur through both the roots and foliage. Susceptible weeds stop growing and eventually die.

Apply using ground equipment only. **DO NOT APPLY BY AIR.**

Do not apply more than once per year.

DO NOT apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands) and estuarine/marine habitats.

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

DO NOT apply during periods of dead calm or when winds are gusty.

DO NOT graze the treated crop within 14 days of application or cut for hay within 42 days of application.

Pre-harvest Interval: Wheat grain and straw can be harvested 79 days after treatment.

BUFFER ZONE

A buffer zone of **11 metres (30 metres** when tank mixed with **Frontline Herbicide**) is 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, pastures, rangelands and shrublands). For field sprayers, buffer zones can be reduced by 70% when using shrouds or 30% when using cones.

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

BROADLEAF WEED AND GRASS CONTROL

Application should be made from the 2 to the 6 leaf stage of wheat crop and after the weeds have emerged. To control broadleaf weeds apply AC 299,263 120 AS Herbicide Solution from the cotyledon up to the 4 leaf stage. To control grasses apply AC 299,263 120 AS Herbicide Solution from the 1-4 true leaf stage up until early tillering. Initial crop injury may be observed after application but this is outgrown and should not affect yield. Severe crop injury will occur as a result of spray overlap. **AVOID SPRAYER OVERLAP.**

AC 299,263 120 AS Herbicide Solution at 125 mL product/ha (15 g a.e./ha) will control:	
Lamb's-quarters* Stinkweed Wild mustard	Volunteer spring wheat (non-imazamox tolerant wheat)
AC 299,263 120 AS Herbicide Solution at 167 mL product/ha (20 g a.e./ha) will control:	
Barnyard grass Cleavers* Green foxtail Japanese Brome Grass* Lamb's-quarters* Persian darnel Redroot pigweed Stinkweed Volunteer barley Volunteer canary seed Volunteer canola (non-imazethapyr tolerant canola only)	Volunteer durum wheat Volunteer spring wheat (non-imazamox tolerant wheat) Volunteer tame oats Wild buckwheat* Wild mustard Wild oats Yellow foxtail

* = suppression only

Apply in 50-100 L/ha of water with a NON-IONIC SURFACTANT (e.g., AGRAL® 90, AG-SURF® or SURF® 92) at the rate of 0.25% v/v.

MIXING INSTRUCTIONS

Use 50-100 L/ha of water. Use a 50-mesh (or coarser) filter screen. 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. Add the required amount of AC 299,263 120 AS Herbicide Solution into the sprayer through the tank opening and continue agitating. After the herbicide is thoroughly mixed, continue agitation and add the required amount of non-ionic surfactant. If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. HALT®). 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. Between loads of AC 299,263 120 AS Herbicide Solution, check in-line and nozzle screens and rinse and clean if necessary. Upon completion of spraying AC 299,263 120 AS Herbicide Solution, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

TANK-MIXING

To provide broad-spectrum weed control, AC 299,263 120 AS Herbicide Solution may be tank-mixed with the following tank-mix partners. Follow all recommendations, precautions and restrictions on the tank-mix partner label.

AC 299, 263 120 AS Herbicide Solution + 2,4-D Ethylhexyl Ester		
Location	Prairie provinces and Peace River area of British Columbia	
Crops	CLEARFIELD wheat	
Timing	Post-emergent application from the 2 to 6-leaf stage of crop	
Tank Mix Components	AC 299,263 120 AS Herbicide Solution	15 g ae/ha (125 mL pdt/ha) or 20 g ae/ha (167 mL pdt/ha)
	2,4-D Ester	560 g ai/ha
Adjuvant	Non-ionic surfactant (e.g. AGRAL 90, AGSURF or SURF 92)	0.25 % v/v
Spray Volume	50-100 L/ha water	
Weeds Controlled	This tank-mix combination controls all weeds as listed on the AC 299,263 120 AS Herbicide Solution and 2,4-D Ester herbicide labels.	

AC 299, 263 120 AS Herbicide Solution + CURTAIL® M Herbicide		
Location	Prairie provinces and Peace River area of British Columbia	
Crops	CLEARFIELD wheat	
Timing	Post-emergent application from the 3 to 6-leaf stage of crop	
Tank Mix Components	AC 299,263 120 AS Herbicide Solution	15 g ae/ha (125 mL pdt/ha) or 20 g ae/ha (167 mL pdt/ha)
	CURTAIL M	A maximum rate of 660 g ai/ha (2.0 L pdt/ha)
Adjuvant	Non-ionic surfactant (e.g. AGRAL 90, AGSURF or SURF 92)	0.25 % v/v
Spray Volume	50-100 L/ha water	
Weeds Controlled	This tank-mix combination controls all weeds as listed on the AC 299, 263 120 AS Herbicide Solution and Curtail M Herbicide labels.	

AC 299, 263 120 AS Herbicide Solution + FRONTLINE® Herbicide		
Location	Prairie provinces and Peace River area of British Columbia	
Crops	CLEARFIELD wheat	
Timing	Post-emergent application from the extended 3 to 6 leaf stage of crop.	
Tank Mix Components	AC 299,263 120 AS Herbicide Solution	15 g ae/ha (125 mL pdt/ha) or 20 g ae/ha (167 mL pdt/ha)
	FRONTLINE A	5 g ai/ha (0.10 L pdt/ha)
	FRONTLINE B	420 g ai/ha (0.840 L pdt/ha)
Adjuvant	Non-ionic surfactant (e.g. AGRAL 90, AGSURF or SURF 92)	0.25 % v/v
Spray Volume	50-100 L/ha water	
Weeds Controlled	This tank-mix combination controls all weeds as listed on the AC 299, 263 120 AS Herbicide Solution and Frontline Herbicide labels.	

AC 299, 263 120 AS Herbicide Solution + Starane™ Herbicide + MCPA Ester		
Location	Prairie provinces and Peace River area of British Columbia	
Crops	CLEARFIELD wheat	
Timing	Post-emergent application from the 3 to 6 true leaf stage of crop	
Tank Mix Components	AC 299,263 120 AS Herbicide Solution	20 g ae/ha (167 mL pdt/ha)
	Starane Herbicide	108 g ai/ha (0.6 L pdt/ha)
	MCPA Ester	560 g ai/ha (500 g/L formulation: 1.12 L pdt/ha) (600 g/L formulation: 0.93 L pdt/ha)
Adjuvant	Non-ionic surfactant (e.g. AGRAL 90, AGSURF or SURF 92)	0.25 % v/v
Spray Volume	50-100 L/ha water	
Weeds Controlled	<p>This tank-mix combination controls cow cockle, wild buckwheat and common chickweed (non-Group 2 resistant biotypes) in addition to all weeds as listed on the AC 299, 263 120 AS Herbicide Solution label plus weeds as listed on the Starane Herbicide label for the tank-mix of Starane Herbicide plus MCPA Ester.</p> <p>Initial crop injury may be observed after application but this is outgrown and should not affect yield. Severe crop injury and a delay in maturity may occur as a result of over spray. AVOID SPRAYER OVERLAP.</p>	

AC 299, 263 120 AS Herbicide Solution + MCPA Ester		
Location	Prairie provinces and Peace River area of British Columbia	
Crops	CLEARFIELD wheat	
Timing	Post-emergent application from the 3 to 6 true leaf stage of crop	
Tank Mix Components	AC 299,263 120 AS Herbicide Solution	20 g ae/ha (167 mL pdt/ha)
	MCPA Ester	560 g ai/ha – 630 g ai/ha (500 g/L formulation: 1.12 – 1.26 L pdt/ha) (600 g/L formulation: 0.93 – 1.05 L pdt/ha)
Adjuvant	Non-ionic surfactant (e.g. AGRAL 90, AGSURF or SURF 92)	0.25 % v/v
Spray Volume	50-100 L/ha water	
Weeds Controlled	<p>This tank-mix combination controls all weeds as listed on the AC 299, 263 120 AS Herbicide Solution label plus weeds as listed on the MCPA Ester label.</p> <p>Initial crop injury may be observed after application but this is outgrown and should not affect yield. Severe crop injury and a delay in maturity may occur as a result of over spray. AVOID SPRAYER OVERLAP.</p>	

TANK-MIXING INSTRUCTIONS

Use 50-100 L/ha of water. Use a 50-mesh (or coarser) filter screen. 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. Add the required amount of AC 299,263 120 AS Herbicide Solution and tank-mix partner into the sprayer through the tank opening and make sure it is thoroughly mixed. Continue agitation and add the required amount of non-ionic surfactant. If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. HALT). 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. Between loads of AC 299,263 120 AS Herbicide Solution and its tank-mix partner, check in-line and nozzle screens and rinse and clean if necessary. Upon completion of spraying AC 299,263 120 AS Herbicide Solution and its tank-mix partner, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

FOLLOW CROPPING

Initial crop injury to non-imazethapyr tolerant canola (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:

- Field peas
- Field Corn
- Canary seed
- Imazethapyr tolerant canola (e.g. canola varieties with the CLEARFIELD trait)
- Non-imazethapyr tolerant canola (non-CLEARFIELD canola)
- Lentils
- Spring wheat
- Durum wheat
- Spring barley
- Sunflower
- Tame oats
- Flax
- Chickpea

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, AC 299,263 120 AS Herbicide Solution is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to AC 299,263 120 AS Herbicide Solution 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 AC 299,263 120 AS Herbicide Solution or other Group 2 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 BASF at 1-877-371-2273 or at www.agsolutions.ca.

CLEARFIELD® is a registered trademark of BASF.

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

¹Methods 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. The purchase of this product conveys no license to the purchaser to practice the patented methods. Further information can be obtained by contacting BASF Canada at 1-877-371-2273.

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