

2018-11-21

2018-5870

Container label

<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>
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RATTLER B HERBICIDE

Solution

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA ONLY

AGRICULTURAL

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

ACTIVE INGREDIENT: Imazamox (present as ammonium salt) 80 g/L

REGISTRATION NO. 33279 PEST CONTROL PRODUCTS ACT



POISON

CAUTION – EYE IRRITANT

NET CONTENTS: 1-1050 litres

For emergency medical help and health/safety inquiries call ProPharma Group at 1.877.250.9291 (24 hours a day)

For spill, leak or fire call INFOTRAC at 1.800.535.5053 (24 hours a day)

**ADAMA Agricultural Solutions Canada Ltd.**

300 – 191 Lombard Avenue

Winnipeg, Manitoba

R3B 0X1

1-855-264-6262

(Back Panel of the Jug)

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.**

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

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.

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

## **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.

## **ENVIRONMENTAL HAZARDS**

**TOXIC** to non-target terrestrial plants. Observe 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 strip between the treated area and the edge of the water body.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

## **STORAGE**

1. Store above 5° C in original, tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. 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.

Pamphlet label

GROUP	2	HERBICIDE
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## **GENERAL INFORMATION**

<b>SECTION 1: THE PRODUCT</b>
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RATTLER B HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in field peas and soybeans for broad-spectrum weed control.

## **SAFETY AND HANDLING**

<b>SECTION 2: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT, AND RE-ENTRY RESTRICTIONS</b>
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**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

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

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.

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

<b>SECTION 3: FIRST AID AND TOXICOLOGICAL INFORMATION</b>
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**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.

<b>SECTION 4: ENVIRONMENTAL HAZARDS</b>
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TOXIC to non-target terrestrial plants. Observe 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 strip between the treated area and the edge of the water body.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

<b>SECTION 5: STORAGE</b>
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1. Store above 5° C in original, tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Keep from freezing.

<b>SECTION 6: DISPOSAL AND DECONTAMINATION</b>
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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.

<b>SECTION 7: NOTICE TO USER</b>
----------------------------------

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.

## **DIRECTIONS FOR USE**

### **SECTION 8: PRODUCT OVERVIEW**

RATTLER B HERBICIDE is a selective herbicide that can be applied as an early postemergence treatment in field peas and soybeans for broad-spectrum weed control.

Cool weather conditions or drought will delay herbicidal activity and if prolonged, may result in poor weed control. Use of RATTLER B HERBICIDE in hot, humid weather may result in temporary leaf yellowing, leaf flecking, bronzing or burning. The crop usually outgrows this condition within 10 days.

When weeds are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since weeds are not actively growing. Weeds escapes or regrowth may occur under prolonged stress conditions or low fertility. Do not make applications to weeds stressed longer than 20 days due to lack of moisture, as unsatisfactory control can result.

### **SECTION 9: APPLICATION INSTRUCTIONS AND USE LIMITATIONS**

- DO NOT APPLY BY AIR. Apply using ground equipment only.
- DO NOT apply more than once per year.
- DO NOT apply to crops that have been subjected to stress from conditions such as hail damage, flooding, drought, hot, humid weather, widely fluctuating temperature conditions, prolonged cold weather or injury from prior herbicide applications, as crop injury may result.
- DO NOT apply when weather conditions may cause spray drift from treated areas to adjacent crops.
- DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
- 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.
- Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.

### **SECTION 10: PRE-HARVEST, GRAZING AND FEEDING INTERVALS**

- Grazing/Feeding: Do not graze the treated crops; Field peas may be fed to livestock 30 days after application.
- Pre-harvest Interval: Field peas can be harvested 60 days after treatment. Soybeans can be harvested 85 days after treatment.



**SECTION 11: BUFFER ZONES**

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

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

The 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	Buffer Zones (metres) Required for the Protection of Terrestrial Habitat
Field sprayer	All crops	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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 drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides and Pest Management portion of the Health Canada website.

**SECTION 12: REGISTERED CROPS AND APPLICATION TIMING**

**REGISTERED CROPS:**

**Soybeans**

RATTLER B HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in soybeans for control of grass and broadleaf weeds.

<b>APPLICATION INSTRUCTIONS – RATTLER B + Merge Adjuvant or Agral 90:</b>	
Timing	Early post-emergence
Rate	RATTLER B HERBICIDE at 250 mL/ha + Merge Adjuvant at 0.5% v/v <b>or</b> Agral 90 at 0.25% v/v
Water Volume	100 L/ha

Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	85 days
Remark	Soybeans: Apply from Emergence to 3 expanded trifoliolate leaves after weeds have emerged.  Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.

<b>APPLICATION INSTRUCTIONS – RATTLER B + Phantom 240 SL + Merge Adjuvant or Agral 90:</b>	
Timing	Early post-emergence
Rate	RATTLER B HERBICIDE at 200mL/ha + Phantom 240 SL at 65 mL/ha + Merge Adjuvant at 0.5% v/v <b>or Agral 90 at 0.25% v/v</b>
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	85 days
	Soybeans: Apply from Emergence to 3 expanded trifoliolate leaves after weeds have emerged.  Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.

Consult the labels of the products to be tank mixed with RATTLER B Herbicide for specific instructions regarding application rate and timing, weed spectrum, additives, precautions, and restrictions.

### Field Peas

RATTLER B HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in field peas for control of broadleaf weeds.

<b>APPLICATION INSTRUCTIONS – RATTLER B + Merge Adjuvant or Agral 90:</b>	
Timing	Early post-emergence
Rate	RATTLER B HERBICIDE at 187.5 mL/ha + Merge Adjuvant at 0.5% v/v <b>or Agral 90 at 0.25% v/v</b>

Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf as listed in the WEEDS CONTROLLED section of this label
Pre-harvest Interval	60 days
Remark	<p>Apply from the 1 - 6 true leaf stage of field peas after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p>

<b>APPLICATION INSTRUCTIONS – RATTLER B + Phantom 240 SL + Merge Adjuvant or Agral 90:</b>	
Timing	Early post-emergence
Rate	RATTLER B HERBICIDE at 187.5 mL/ha + Phantom 240 SL at 65 mL/ha + Merge Adjuvant at 0.5% v/v <b>or Agral 90 at 0.25% v/v</b>
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label
Pre-harvest Interval	60 days
	<p>Apply from the 1 - 6 true leaf stage of field peas after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p>

Consult the labels of the products to be tank mixed with RATTLER B Herbicide for specific instructions regarding application rate and timing, weed spectrum, additives, precautions, and restrictions

SECTION 13:	WEEDS CONTROLLED
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**RATTLER B HERBICIDE + Merge Adjuvant or Agral 90 used as directed will control:**

RATTLER B HERBICIDE at 187.5 mL/ha + Merge Adjuvant at 0.5% v/v or Agral 90 at 0.25% v/v	
WEED CONTROLLED	RECOMMENDED STAGE
Lamb's-quarters	Cotyledon to 4 leaf stage
Stinkweed	
Wild mustard	
Volunteer spring wheat (non-Clearfield tolerant wheat)	
RATTLER B HERBICIDE at 250mL/ha + Merge Adjuvant at 0.5% v/v or Agral 90 at 0.25% v/v	
GRASS WEEDS	1-4 true leaf stage or early tillering
Barnyard grass	
Green foxtail (including Group 1 resistant) <sup>1</sup>	
Persian Darnel	
Tame oat	
Volunteer barley	
Volunteer canary seed	
Volunteer wheat	
Wild oat (including Group 1 resistant) <sup>Error!</sup> Bookmark not defined.	
Yellow foxtail	
<b>BROADLEAF WEEDS</b>	Cotyledon to 4 leaf stage
Cow Cockle	
Green smartweed	
Lamb's quarters	
Redroot Pigweed	
Shepherd's Purse	
Stinkweed	
Volunteer Canola (non-CLEARFIELD varieties)	
Wild mustard	
<b>WEEDS SUPPRESSED</b>	
Cleavers	
Japanese brome	
Wild buckwheat	

<sup>1</sup> RATTLER B HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides.



**RATTLER B HERBICIDE + Phantom 240 SL + Merge Adjuvant or Agral 90 used as directed will control:**

RATTLER B HERBICIDE <sup>1</sup> at 187.5 - 200 mL/ha + Phantom 240 SL at 65 mL/ha + Merge Adjuvant at 0.5% v/v <b>or Agral 90 at 0.25% v/v</b>	
<b>WEEDS CONTROLLED</b>	<b>RECOMMENDED STAGE</b>
<b>GRASS WEEDS</b>	1-4 true leaf stage or early tillering
Tame oat	
Wild oat (including Group 1 resistant) <sup>2</sup>	
<b>BROADLEAF WEEDS</b>	Cotyledon to 4 leaf stage
Lamb's-quarters	
Redroot Pigweed	
Stinkweed	
Wild mustard	

<sup>1</sup> The rate of 187.5 mL/ha is for use in field peas while the rate of 200 mL/ha is for use in soybeans.

<sup>2</sup> RATTLER B HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides.

**SECTION 14: MIXING INSTRUCTIONS**

- Use 50-100 L/ha of water.
- Use a 50-mesh (or coarser) filter screen.
- Fill the spray tank three-quarters full with water.
- Add the required amount of RATTLER B HERBICIDE directly into the sprayer through the tank opening.
- Agitate until herbicide is thoroughly mixed.
- Continue agitation and add the required amount of the tank-mix partner.
- Continue agitation while adding the required amount of recommended Adjuvant.
- 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.
- Upon completion of spraying, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.
- Repeat sprayer cleanout process using an appropriate spray system cleaner

**SECTION 15: ROTATIONAL CROPS**

There is the possibility of residual soil activity for RATTLER B HERBICIDE the year following application.

Research studies have shown that the following crops may be safely planted the year following RATTLER B HERBICIDE application:

Spring Barley  
Canary seed

Canola  
Chickpea  
Field Corn  
Field Pea  
Flax  
Lentil  
Tame Oat  
Soybean  
Clearfield Sunflower (sunflower varieties with the Clearfield trait)  
Spring Wheat (including Durum wheat)

If tank-mixing RATTLER B with another herbicide please consult the re-cropping label for the tank mix partner.

**WARNING:** Certain environmental conditions may delay the breakdown of herbicide residues in soil. These conditions include but are not limited to drought, extremes in soil pH and excessive cold. Under these conditions, the level of phytotoxic herbicide residues present in the field the season following an application may result in an increased potential for injury to succeeding crops to occur. This potential for increased residues under these environmental conditions is not unique to any specific herbicide or herbicide group but is a property of those herbicides which persist in the soil and are dependent on soil microbial activity and other non-microbial processes (e.g. hydrolysis) to breakdown. 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.

<b>SECTION 16: RESISTANCE MANAGEMENT RECOMMENDATIONS</b>
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For resistance management, RATTLER B HERBICIDE is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to RATTLER B HERBICIDE 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:

1. Where possible, rotate the use of RATTLER B HERBICIDE 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.
2. 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.
3. 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.

4. 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.
5. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
6. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
7. 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.
8. For further information or to report suspected resistance, contact company representative at 1-855-264-6262.