

2023-5309
2024-12-02

This label has been updated according to the re-evaluation decision for Flucarbazone RVD2023-03. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 02-09-2025 in accordance with the phase out period set out in the re-evaluation/special review decision for Flucarbazone RVD2023-03. This previously approved label will be provided upon request by emailing hc.pma.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

****Container Label****

GROUP

2

HERBICIDE

HIMALAYA[®] HERBICIDE

COMMERCIAL (AGRICULTURAL)

70% WETTABLE GRANULAR HERBICIDE

For preplant, preemergence and postemergence application on Spring wheat (excluding Durum wheat), and for post postemergence application on Spring wheat (including Durum wheat) for control of wild oat, green foxtail, volunteer tame oat, and certain broadleaf weeds.

FOR SALE AND USE IN MANITOBA, SASKATCHEWAN, ALBERTA AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) ONLY.

ACTIVE INGREDIENT: Flucarbazone 66% (present as flucarbazone-sodium)

REGISTRATION NO: 33370 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

WARNING – EYE AND SKIN IRRITANT

STORE IN A COOL, DRY PLACE

NET CONTENTS: 300 GRAMS to 600 kg

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887

NewAgco, Inc.
320 22nd Street East
Saskatoon (Sask.) S7K 0H1 Canada
1-844-269-3276

Distributed by:
AgraCity Crop & Nutrition Ltd.
320 – 22nd Street East
Saskatoon (Sask.) S7K 0H1 Canada
1-844-269-3276

ASTRAL[™], CANUCK[®], CLOBBER[®], HIMALAYA[®] and MPOWER[®] are trademarks of AgraCity Crop & Nutrition Ltd. or its affiliates.

PRECAUTIONS

Causes eye irritation. DO NOT get in eyes. May irritate skin. Avoid contact with skin.

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 habitations and 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.

KEEP OUT OF REACH OF CHILDREN.

PROTECTIVE CLOTHING

Wear coveralls, a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing and loading. Gloves are not required during application within a closed cab.

Read and follow handling precautions and protective clothing recommendations on broadleaf herbicide and surfactant tank-mix partner labels. Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If no such instructions for washables, use detergent and hot water. Keep PPE apart from other laundry and wash separately.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 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.

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.

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

TOXICOLOGICAL INFORMATION

No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and 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.

STORAGE

PESTICIDE STORAGE: Store this product away from food or feed. Store in original container and out of reach of children, preferably in a locked storage area. **HIMALAYA HERBICIDE** is not affected by freezing.

SPILL CLEAN-UP: Follow safety precautions as directed for handling the product. Sweep spilled product with a broom and shovel into tightly closable container. If on a floor or hard surface, wash the surface or floor with detergent and water, then rinse. If on soil, collect surface soil contaminated with the product. If the product is clean, it may be used; otherwise, follow the DISPOSAL instructions.

DISPOSAL:

Recyclable Container 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.

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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.

Disposal of Unused, Unwanted Product: 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 this 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.

****Booklet Label****

GROUP

2

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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.

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PRODUCT INFORMATION

HIMALAYA HERBICIDE is a selective herbicide for use at preplant, preemergence and postemergence timings in spring wheat (hard red spring, Canada Prairie spring, soft white spring, and extra strong or utility) and at postemergence timings only in durum wheat.

HIMALAYA HERBICIDE applied postemergence must be tank mixed with a surfactant listed on this label. For broader spectrum activity, HIMALAYA HERBICIDE may be tank mixed with a broadleaf herbicide. See TANK MIXES section for recommended products.

HIMALAYA HERBICIDE is absorbed by foliage and roots of wild oat, green foxtail and certain broadleaf weeds. These weeds cease growth soon after application, removing the competitive effects of susceptible weeds. However complete weed control may not be seen for one to two weeks.

HIMALAYA HERBICIDE will control wild oat biotypes which have developed resistance to ACCase (Group 1) and triallate (Group 8) herbicides. It will also control green foxtail biotypes resistant to ACCase (Group 1) and dinitroaniline (Group 3) herbicides.

One 567 gram jug contains enough **HIMALAYA HERBICIDE** to treat 13-26 hectares (33-66 acres) depending on the target weeds to be controlled. For weeds controlled and staging of application for each rate refer to the recommended application tables.

567 g Jug Treats the Following:		
Use Rate	Acres	Hectares
21.5 g/ha	66	26
28.5 g/ha	50	20
35.7 g/ha	40	16
43.0 g/ha	33	13

DIRECTIONS FOR USE

Read the entire DIRECTIONS FOR USE before using **HIMALAYA HERBICIDE**.

- **Ground Application only. DO NOT APPLY BY AIR.**
- Do not mix, load or clean spray equipment within 10 metres of well-heads or aquatic systems, including marshes, ponds, ditches, streams, lakes, etc.
- 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.
- **Do not apply postemergence treatments if it is raining or if rainfall is expected within one (1) hour after application.**
- Do not graze treated fields or use green crop for feed. Wheat grain or straw from harvested treated fields may be fed to livestock.
- Do not allow this chemical to drift on to other crops, especially canola, tame oats, or other non-target crops.
- Observe minimum interval to harvest of 80 days after treatment.
- Do not treat wheat underseeded to legumes.
- The maximum rate of glyphosate applied when tank mixed with **HIMALAYA HERBICIDE** for pre-plant, pre-emergence is 450 g ae/ha.

Field sprayer application: DO NOT apply during period 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.

SPRAY BUFFER ZONE

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), 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:		Terrestrial Habitat:
		Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat	2	1	1

The spray buffer zones presented in this table are for flucarbazone. As spray buffer zones are active specific, for coformulated products care must be taken to ensure the correct spray buffer zones remain on the label. For all non-coformulated products, the spray buffer zones for flucarbazone apply for both aquatic and terrestrial habitats.

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.

TIMING OF APPLICATION

HIMALAYA HERBICIDE can be applied up to 1 week prior to planting, or immediately after planting prior to crop emergence in spring wheat (excluding durum wheat), and postemergence in all types of spring wheat (including durum wheat).

Do not apply **HIMALAYA HERBICIDE** before crop emergence is complete in durum wheat.

Research has demonstrated that optimum wheat yield is obtained by early removal of target weeds prior to tillering of wheat. In postemergence use, apply **HIMALAYA HERBICIDE** to wheat that has a minimum of one leaf to a maximum of four leaves on the main stem, plus two tillers. Application beyond this stage may result in yield losses due to weed competition.

TANK MIXES

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 AgraCity Crop & Nutrition Ltd. at 1-844-269-3276 for information before applying any tank mix that is not specifically recommended on this label.

PREPLANT, POSTPLANT PREEMERGENCE AND PREPLANT OR POSTPLANT PREEMERGENCE FOLLOWED BY POSTEMERGENCE USE DIRECTIONS FOR SPRING WHEAT (EXCLUDING DURUM WHEAT)

Use of **HIMALAYA HERBICIDE** as a preplant or postplant preemergence application only or in combination with an additional postemergence application of **HIMALAYA HERBICIDE** allows for early weed removal and reduced weed competition with wheat.

Do not apply more than 43 g/ha of **HIMALAYA HERBICIDE** (30 g ai/ha) per growing season.

Application Timing	Application Rate (g product/ha)	Weeds Controlled or Suppressed
Preplant or postplant preemergence ¹	21.5	Control: volunteer canola excluding imidazolinone tolerant (Clearfield) canola varieties Suppression: wild oat
	28.5	Weeds controlled or suppressed with 21.5 g/ha plus Suppression: wild mustard, green foxtail
Preplant or postplant preemergence followed by Postemergence ^{2,3} HIMALAYA HERBICIDE	14.5 + 28.5	Control: green foxtail, wild oat, volunteer canola excluding imidazolinone tolerant (Clearfield) canola varieties
	21.5 + 21.5	
	28.5 + 14.5	

¹ Crop injury may be observed following preplant or postplant preemergence applications, but yield should be unaffected.

² For postemergence applications, use a registered non-ionic surfactant such as ASTRAL™ ADJUVANT, Agral® 90, AgSurf™, etc. at a rate of 0.25% v/v (0.25L per 100L total spray solution) according to use directions under POSTEMERGENCE USE DIRECTIONS on the **HIMALAYA HERBICIDE** label.

³ For tank mix directions and control of other weeds using postemergence applications, refer to the POSTEMERGENCE USE DIRECTIONS on the **HIMALAYA HERBICIDE** label.

GLYPHOSATE TANK MIXTURE

HIMALAYA HERBICIDE may be tank mixed with glyphosate present as the isopropylamine or potassium salt when applied preplant or postplant preemergence.

POSTEMERGENCE USE DIRECTIONS IN SPRING AND DURUM WHEAT RECOMMENDED APPLICATIONS

CROP APPLICATION TIMING		
CROP	GROWTH STAGE	REMARKS
Spring Wheat Durum Wheat	1 leaf to 6 total leaves	1 leaf to 4 leaves on main stem, plus 2 tillers

GRASS WEED CONTROL IN SPRING AND DURUM WHEAT			
CROP	RATE	WEEDS	REMARKS
Spring Wheat Including: hard red spring, Canada Prairie spring, soft white spring and extra strong (utility) wheat Durum Wheat	21.5 g/ha	Green Foxtail (Wild millet)	Green foxtail should be no larger than 4-leaf, 2 tillers.
	28.5 g/ha	Weeds controlled at 21.5 g/ha plus	Wild oat should be no larger than 4-leaf, 2 tillers. Use 28.5 g/ha when wild oat infestations are below 100 plants/m ² .
		Wild Oat Volunteer Tame Oat	Volunteer tame oat should be no larger than 4-leaf, 2 tillers.
	35.7 g/ha	Weeds controlled at 28.5 g/ha plus Wild Oat	Wild oat should be no larger than 4-leaf, 2 tillers. Use 35.7 g/ha when wild oat infestations are greater than 100 plants/m ² and plants are actively growing under ideal environmental conditions.
43 g/ha	Weeds controlled at 35.7 g/ha plus Wild Oat	Wild oat should be no larger than 4-leaf, 2 tillers. Use 43 g/ha when wild oat infestations are greater than 100 plants/m ² and when plants are not actively growing due to poor environmental conditions or when tank mixing with a product that contains dicamba. [Refer to the TANK MIXES section listed on this label.]	

BROADLEAF WEED CONTROL IN SPRING AND DURUM WHEAT		
WEED	RATE	REMARKS
Redroot Pigweed (<i>Amaranthus retroflexus</i>)	28.5 g/ha	For control of redroot pigweed, apply HIMALAYA HERBICIDE to weeds at the 2 to 6 leaf stage.
Wild Mustard (<i>Brassica kaber</i>)		For control of wild mustard apply HIMALAYA HERBICIDE to weeds at the 2 to 6 leaf stage
Stinkweed (<i>Thlaspi arvense</i>)		For control of stinkweed apply HIMALAYA HERBICIDE to weeds at the 2 to 9 leaf stage

Volunteer Canola (<i>Brassica napus</i>)	For control of volunteer canola apply HIMALAYA HERBICIDE to weeds at the 2 to 6 leaf stage Will not control imidazolinone-tolerant (CLEARFIELD®) canola varieties
Green Smartweed (<i>Polygonum scabrum Moench.</i>)	For control of green smartweed apply HIMALAYA HERBICIDE to weeds at the 2 to 6 leaf stage
Shepherd's Purse (<i>Capsella bursa-pastoris</i>)	For control of shepherd's purse, apply HIMALAYA HERBICIDE to weeds at the 2 to 6 leaf stage.

Wheat exposed to water-logged or saturated soils, or temperature extremes such as heat or freezing weather, or drought, low fertility or plant disease at application time could show unacceptable injury symptoms. Weed control also may be reduced by these same conditions.

Use 28.5 g/ha when wild oat populations are below 100 plants/m² and when plants are actively growing. For broader spectrum control of both annual grasses and broadleaf weeds, **HIMALAYA HERBICIDE** may be mixed with one of the broadleaf herbicides plus a surfactant listed in the following table.

APPROVED TANK MIX PARTNERS IN SPRING WHEAT

BROADLEAF HERBICIDE TANK MIX PARTNER		BROADLEAF HERBICIDE PRODUCT RATES	HIMALAYA HERBICIDE RATE			SURFACTANTS (0.25% v/v or 0.25 L/100L)
			WILD OAT AND GREEN FOXTAIL	WILD OAT ONLY	GREEN FOXTAIL ONLY***	
1	2,4-D Amine	up to 560 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	Surf 92, Super Spreader, LI 700® with LECI- TECH, ASTRAL ADJUVANT, Agral 90, Ag-Surf
2	2,4-D Ester	up to 560 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	Surf 92, Super Spreader, LI 700 with LECI- TECH, ASTRAL ADVJUVANT, Agral 90, Ag-Surf
3	**Ally® + 2,4-D Amine	5 or 7.5 g/ha Ally + up to 560 g ae/ha 2,4-D Amine	***43 g/ha	***28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
4	**Ally + 2,4-D Ester	5 or 7.5 g/ha Ally + up to 560 g ae/ha 2,4-D Ester	***43 g/ha	***28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
5	Attain™ Herbicide Tank Mix	0.6 L/ha Attain A + 1 L/ha Attain B	***43 g/ha	***28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
6	Buctril® M or CANUCK® HERBICIDE	1 L/ha	43 g/ha	28.5 g/ha	21.5 g/ha	Surf 92, Super Spreader, LI 700 with LECI-TECH, ASTRAL ADJUVANT, Agral 90, Ag-Surf
7	Curtail® M or CLOBBER® M HERBICIDE	1.5 – 2.0 L/ha	***43 g/ha	***28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf

APPROVED TANK MIX PARTNERS IN SPRING WHEAT

	BROADLEAF HERBICIDE TANK MIX PARTNER	BROADLEAF HERBICIDE PRODUCT RATES	HIMALAYA HERBICIDE RATE			SURFACTANTS (0.25% v/v or 0.25 L/100L)
			WILD OAT AND GREEN FOXTAIL	WILD OAT ONLY	GREEN FOXTAIL ONLY***	
8	DyVel®	1.25 L/ha	43 g/ha	Do Not Use	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
9	*DyVel DSP	850 mL/ha	43 g/ha	Do Not Use	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
11	Frontline™ 2,4-D XC Herbicide Tank-Mix	100 ml/ha Frontline 2,4D XC A + 1.0 L/ha Frontline 2,4-D XC B	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
12	MCPA Amine	up to 560 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
13	MCPA Ester	up to 560 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
14	BUCK HERBICIDE or Pardner®	1 L/ha	43 g/ha	Do Not Use	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
15	Prestige™ XC Herbicide Tank-Mix	0.8 L/ha Prestige XC A + 2.0 L/ha Prestige XC B	***43 g/ha	***28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
16	**MPOWER® RX HERBICIDE + 2,4-D Amine	20 g/ha MPOWER RX HERBICIDE + up to 560 g ae/ha 2,4-D Amine	43 g/ha	28.5 g/ha	21.5 g/ha	Surf 92, Super Spreader, LI 700 with LEICI-TECH , ASTRAL ADJUVANT, Agral 90,Ag-Surf
17	**MPOWER RX HERBICIDE + 2,4-D Ester	20 g/ha MPOWER RX HERBICIDE + up to 560 g ae/ha 2,4-D Ester	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
18						
19	Spectrum™ Herbicide Tank-Mix	100 mL/ha Spectrum A + 1.5 L/ha Spectrum B	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
20	Thumper®	1 L/ha	43 g/ha	28.5 g/ha	21.5 g/ha	Surf 92, Super Spreader

APPROVED TANK MIX PARTNERS IN DURUM WHEAT						
BROADLEAF HERBICIDE TANK MIX PARTNER		BROADLEAF HERBICIDE PRODUCT RATES	HIMALAYA HERBICIDE			SURFACTANTS (0.25% v/v or 0.25 L/100L)
			HERBICIDE RATE***			
			WILD OAT AND GREEN FOXTAIL	WILD OAT ONLY	GREEN FOXTAIL ONLY	
1	2,4-D Amine	420 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
2	2,4-D Ester	420 g ae/ha	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf
3	Spectrum™ Herbicide Tank-Mix	100 mL/ha Spectrum A + 1.5 L/ha Spectrum B	43 g/ha	28.5 g/ha	21.5 g/ha	ASTRAL ADJUVANT, Agral 90, Ag-Surf

NOTE:

* Reduction in wild oat control may be observed with this tank mix partner.

** Addition of a second surfactant is not required for **HIMALAYA HERBICIDE** tank mixes with the herbicides Ally and MPOWER RX HERBICIDE. Use only one of the recommended surfactants from the **HIMALAYA HERBICIDE** label at an application rate of 0.25% v/v (0.25 L per 100 L total spray solution).

*** Apply specified rate in at least 100 L of water per hectare (45 L/A or 10 gallons/A).

MIXING INSTRUCTIONS

Ensure the spray tank is clean. In-line strainers and nozzle screens should be clean and 50-mesh or coarser.

1. Fill the spray tank 1/3 to 1/2 full with clean water and begin agitation or bypass.
2. Add the appropriate **HIMALAYA HERBICIDE** rate directly to the spray tank. Vigorous agitation is required to dissolve the **HIMALAYA HERBICIDE**. Maintain sufficient agitation during both mixing and application.
3. Add the broadleaf weed herbicide.
4. Add the surfactant, then complete filling tank with balance of water needed.

SPRAYING INSTRUCTIONS

Unless otherwise specified in the tank mix partner section of this label, apply in a spray volume of 50 – 100 L/ha (22.5 – 45 L/A or 5 – 10 gallons/A) at 207-345 kPa (30-50 PSI) pressure to ensure proper weed coverage.

Flat fan nozzles of 80 ° or 110 ° are recommended for optimum coverage. Do not use floodjet nozzle or control droplet application equipment. Nozzles may be oriented 45 ° forward to enhance crop penetration and to give better weed coverage.

SPRAYER CLEAN-UP

1. Drain the tank and thoroughly rinse spray tank, boom and hoses with clean water. Pay particular attention to flushing out any visible deposits.
2. Fill the tank with clean water and 1% v/v (1 L/100L) household ammonia. Flush the hoses, boom and nozzles with the cleaning solution. Circulate for at least 15 minutes. Flush hoses, boom and nozzles once more, then drain the tank.
3. Clean nozzles and screens in a separate container using the ammonia and water.
4. Repeat #2.

5. Rinse tank, boom and hoses with clean water. Do not clean sprayer near desirable vegetation, wells, or other water sources.
6. Dispose of all rinsings in accordance with provincial regulations; check tank mix partner label for any additional clean-up procedures.

ROTATIONAL CROPS

The following crops may be planted 11 months after an application of **HIMALAYA HERBICIDE**.

Soil Zones and Rotational Crops			
Gray-Wooded	Black	Dark Brown	Brown
Spring wheat Barley Canola Field peas*	Spring wheat Barley Canola Field peas* Field bean Flax Durum wheat	Spring wheat Barley Canola Field peas* Flax Durum wheat	Spring wheat

* Field peas can be successfully grown the year following a **HIMALAYA HERBICIDE** application providing the following three criteria are all met.

1. Soil pH must be below 7.5
2. Organic Matter content must be above 4%.
3. Precipitation must be equal to or above the 10-year average (minimum 1 00mm within 60 days of application in year of application).

Or, fields can be summer fallowed.

As **HIMALAYA HERBICIDE** is degraded by soil microbes, environmental conditions that decrease microbial activity must be considered when making rotational cropping decisions. These environmental conditions include prolonged drought and/or cold temperatures within the following cropping season, as well as soils with both low O M (less than 2%) and high pH (greater than 7.5). If these conditions exist, a soil bioassay may be necessary to ensure rotational crop safety.

Do not plant crops other than those listed above in the year following application of **HIMALAYA HERBICIDE** on wheat.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **HIMALAYA HERBICIDE** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **HIMALAYA HERBICIDE** and other Group 2 wild oat 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 **HIMALAYA 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.
- 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 special crops and weed biotypes.
- For further information or to report suspected resistance, contact AgraCity Crop & Nutrition Ltd. at 1-844-269-3276.

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