

2023-06-08
2023-2003
Booklet Label

GROUP	2	HERBICIDE
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NINJA[®] HERBICIDE

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

Wettable Granular Herbicide in water-soluble bags

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Imazamox..... 35%.
Imazethapyr ... 35%.

REGISTRATION NO. 32995 PEST CONTROL PRODUCTS ACT

DO NOT SELL INDIVIDUAL WATER-SOLUBLE BAGS SEPARATELY

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

WARNING - EYE IRRITANT

NET CONTENTS: 692 g (8 x 86.5 g water-soluble bags)

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, SK S7K 0H1
Canada
1-844-269-3276

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

ASSASSIN[®] and NINJA[®] are trademarks of AgraCity Crop & Nutrition Ltd. or its affiliates.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Skin irritant.

WARNING - EYE IRRITANT

May cause eye damage.

Wear a long-sleeved shirt, long pants and chemical resistant gloves during mixing/loading, application, clean-up and repair. In addition, wear goggles or a face shield during mixing and loading. Gloves are not required for an applicator when in enclosed cab.

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

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

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 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 of this product 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

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

1. When all the water-soluble bags are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.
3. 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.

DIRECTIONS FOR USE (Prairie Provinces and Interior of British Columbia (including the Peace River Region))

For Field Peas Only.

NINJA HERBICIDE is a selective herbicide that can be applied as an early post-emergence treatment in field peas. When **NINJA HERBICIDE** is applied early post-emergence, absorption may occur through both the roots and foliage. Susceptible weeds stop growing and eventually die.

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 1-844-269-2476 or www.agracity.com for information before applying any tank mix that is not specifically recommended on this label.

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.

Spray Buffer Zones

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) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop	Buffer Zones (Metres) Required for the Protection of:	
		Freshwater habitat	Terrestrial habitat
Field sprayer	Field pea	1	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 Pesticide portion of the Canada.ca website.

Pre-harvest Interval: After 60 days, field peas can be harvested.

Rainfastness Interval: **NINJA HERBICIDE** is rainfast 3 hours after application.

Field peas treated with **NINJA HERBICIDE** may be fed to livestock 30 days after application.

APPLY NINJA HERBICIDE in a water volume of 50-100 L/ha using ground equipment only.

Do not apply more than once per year.

Apply **NINJA HERBICIDE** as a single post-emergent application at 30 g a.e./ha (43 g product/ha). Application to field peas should be from 1-6 true leaf stage and after weeds have emerged. 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. Initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.

BROADLEAF WEED AND GRASS CONTROL

NINJA HERBICIDE at 29 g/ha (20 g a.e./ha) will control only:	
Redroot pigweed Volunteer tame mustard Wild mustard	
NINJA HERBICIDE at 43 g/ha (30 g a.e./ha) will control:	
Chickweed	Barnyard grass
Cleavers	Green foxtail
Flixweed	Persian darnel
Green smartweed	Volunteer barley
Hemp-nettle*	Volunteer tame oats
Kochia**	Volunteer wheat
Lamb's-quarters***	Wild oats
Redroot pigweed	
Shepherd's purse	
Stinkweed	
Stork's bill	
Volunteer canola (non- Clearfield ® canola only)	
Volunteer tame mustard	
Wild buckwheat*	
Wild mustard	

* = suppression in field peas

** = suppression in field peas

*** = suppression in field peas

For 1000 L of spray solution

USE:	SURFACTANT (L)	+ FERTILIZER (L)
ASSASSIN® ADJUVANT, ASSASSIN II ADJUVANT, or MERGE® Adjuvant	5.0	No fertilizer required

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 **NINJA HERBICIDE** soluble bag(s) directly into the sprayer through the tank opening. Agitate for at least ten minutes to dissolve the herbicide. After the herbicide is dissolved, continue agitation and add the required amount of ASSASSIN® ADJUVANT, ASSASSIN II ADJUVANT, or MERGE 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. If agitation is stopped for more than 5 minutes, re-suspend spray solution by full agitation prior to commencing spraying again. Between loads of **NINJA HERBICIDE**, check inline and nozzle screens and rinse and clean if necessary. Upon completion of spraying **NINJA HERBICIDE**, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

ROTATIONAL CROPS

There is the possibility of residual soil activity for **NINJA HERBICIDE** the year following application.

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

Field peas

Clearfield Canola¹ (canola varieties with the **Clearfield** trait)

Clearfield Lentils¹ (lentil varieties with the **Clearfield** trait)

Lentils

Spring wheat

Durum wheat

Tame oats

Canary seed

Spring barley

Chickpeas

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.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **NINJA HERBICIDE** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **NINJA 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:

- Where possible, rotate the use of **NINJA 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 specific 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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Water Soluble Bag

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