

2026-0688
2026-04-02

<Container Label>

GROUP

1

HERBICIDE

NCS IBEX 100 Herbicide

EMULSIFIABLE CONCENTRATE

COMMERCIAL - AGRICULTURAL

A post emergence herbicide for control of wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed and proso millet in Spring Wheat and Barley.

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

ACTIVE INGREDIENT:

Pinoxaden 100 g/L

Contains Cloquintocet-mexyl at 25 g/L as a safener

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

WARNING: EYE AND SKIN IRRITANT

REGISTRATION NO.: 35942 PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L - Bulk**

Northern CropScience Inc.
Suite 300, 336 Sheppard Avenue East
North York, Ontario
M2N 3B4
1-437-880-8283

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.
For product and use information, call Northern CropScience Inc.: 1-437-880-8283.

<Container Label>

1.0 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.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. 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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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.

3.0 TOXICOLOGICAL INFORMATION

NCS IBEX 100 Herbicide contains materials that may cause severe pneumonitis if aspirated. Treat symptomatically for ingestion and/or skin and eye contact. **THIS PRODUCT CONTAINS PETROLEUM DISTILLATES. VOMITING MAY CAUSE ASPIRATION PNEUMONIA.**

4.0 PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

May irritate eyes. DO NOT wear contact lenses when using. DO NOT get in eyes or on skin. Avoid contact with clothing. DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, using the toilet or handling mobile devices. Aircraft cockpit and vehicle cabs **MUST** be decontaminated regularly.

DO NOT allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

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

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over 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, loading, clean-up and repair. Coveralls, chemical-resistant footwear and gloves are not required during application within a closed cab and/or cockpit.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash the outside of gloves with soap and water, wash contaminated skin with soap and water, and dress in clean clothing. Launder contaminated clothing/PPE regularly and separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

6.0 ENVIRONMENTAL PRECAUTIONS

This product contains aromatic petroleum distillates, which are toxic to aquatic organisms. Toxic to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

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.

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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

7.0 STORAGE

Store this product away from food or feed. Store the product in closed original container in a well-ventilated room.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

Recyclable containers

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 or territorial requirements.

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.

Bulk container refilling:

1. The container is to be refilled by the distributor/dealer only with NCS IBEX 100 Herbicide. DO NOT reuse this container for any other purpose.
2. Reseal and return to an authorized Bulk Site.
3. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.
4. Check for leaks after refilling and before transportation.
5. DO NOT refill or transport damaged or leaking containers.
6. If the container is not being refilled, return to the point of purchase (distributor/dealer) for disposal.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Northern CropScience Inc. at 1-437-880-8283.

<Pamphlet>

NCS IBEX 100 Herbicide

EMULSIFIABLE CONCENTRATE

COMMERCIAL - AGRICULTURAL

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If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash the outside of gloves with soap and water, wash contaminated skin with soap and water, and dress in clean clothing. Launder contaminated clothing/PPE regularly and separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

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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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

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5. DO NOT refill or transport damaged or leaking containers.
6. If the container is not being refilled, return to the point of purchase (distributor/dealer) for disposal.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Northern CropScience Inc. at 1-437-880-8283.

9.0 PRODUCT INFORMATION

NCS IBEX 100 Herbicide is a systemic, post-emergence herbicide for the selective control of wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed and proso millet in Spring Wheat and Barley in the prairie provinces and the Interior of British Columbia.

NCS IBEX 100 Herbicide is absorbed by the leaves and is rapidly translocated to the growing points of leaves and stems. Thorough coverage of the plants is essential for consistent control. Actively growing susceptible grasses stop growing within 48 hours of treatment. Depending on species, growing conditions and crop competition, leaves and growing points turn yellow within one to three weeks after application. Further colour changes and loss of vigour will be observed, followed by a browning and control three to five weeks after application.

Although NCS IBEX 100 Herbicide does not control broadleaf weeds, NCS IBEX 100 Herbicide can be tank mixed with a range of broadleaf herbicides to provide broad spectrum weed control in Spring Wheat and Barley. See section entitled "TANK MIXES of NCS IBEX 100 HERBICIDE WITH BROADLEAF WEED HERBICIDES" and refer to the appropriate Tank Mix section.

10.0 DIRECTIONS FOR USE

10.1 General Information

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.

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 Northern CropScience Inc. at 1-437-880-8283 for information before applying any tank mix that is not specifically recommended on this label.

Northern CropScience Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

10.2 Ground Application

10.2.1 General Precautions

Field sprayer application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) Medium classification. Boom height must be 60 cm or less above the crop or ground.

10.2.2 Mixing Instructions

1. Clean spray tank and half fill with clean water. Start agitation or bypass system.
2. If a broadleaf herbicide is to be used, add the product FIRST prior to adding NCS IBEX 100 Herbicide and agitate for 2-3 minutes.
3. Add correct amount of NCS IBEX 100 Herbicide.
4. Agitate for 2-3 minutes.
5. Add correct amount of Carrier or Merge Adjuvant.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. **Use the spray suspension as soon as it is prepared.**

10.2.3 Spraying Instructions

1. Water Volume: 50 to 100 litres per hectare for ground application.
2. Spray Nozzles: 80° or 110° flat fan nozzles are recommended for optimal spray coverage. Use 50 mesh nozzle screens. Do not use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
3. Pressure: 275 - 310 kPa.
4. Apply uniformly at 6 - 8 km/hr and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from an over application.

10.2.4 Equipment Clean-Up

Clean Up Before Spraying:

- Prior to using NCS IBEX 100 Herbicide, ensure that the spray tank, lines and filter are thoroughly clean.

Clean Up After Spraying:

- Thoroughly clean application equipment immediately after spraying. To avoid subsequent injury to other crops, immediately after spraying and before spraying other crops, thoroughly remove all traces of NCS IBEX 100 Herbicide from mixing and spraying equipment.
- When using tank mixes, consult the tank mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **Do not** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsings in accordance with provincial regulations.

10.3 Aerial Application

10.3.1 General Information

Conventionally piloted aircraft application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3)

Medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Apply only by aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate specified for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices or a Global Positioning System (GPS).

10.3.2 Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

10.3.3 Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the registrant at 1-437-880-8283 or obtain technical advice from the distributor or your provincial or territorial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the specified rate in a minimum spray volume of 30 litres per hectare for conventionally piloted aircraft.

Avoid spraying when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

10.3.4 Mixing Instructions

Mixing this product directly in the aircraft hopper **IS NOT** recommended. The use of chemical handling or managing equipment to load the hopper **IS** recommended. This product **MAY BE** inducted into a hopper which is prefilled with water or when the product and water are mixed prior to entering the hopper. This product **MAY BE** batch mixed and pumped into the hopper. In all cases the chemical handling equipment and hopper interior must be clean prior to use.

NOTE: SE formulations may be inducted or batch mixed.

It is **NOT** recommended to combine solid (WG or DF) formulations with liquid tank mix partners within a single batch. Batch mix WG or DF formulations first, pump into the hopper, and then add liquid tank mix partners by induction or as an additional batch mix. When tank mixing multiple products, follow the mixing order outlined below:

1. Pump water into the hopper to at least $\frac{1}{4}$ to $\frac{1}{2}$ of the desired spray volume. Engage hopper circulation, if possible.
2. Thoroughly batch mix any WG or DF formulation mix partners and agitate to ensure complete mixing. Pump into the hopper.
3. Induct or thoroughly batch mix any SE or SC formulations.
4. Thoroughly batch mix NCS IBEX 100 Herbicide and any EC formulation mix partners. EC formulations may be added to the batch from Step 3, if desired.
5. Induct or thoroughly batch mix any solution (SN or SL) formulation mix partners. SN/SL formulations may be added to the batch from Step 3, if desired.
6. Pump batch mixed SC, EC, and/or SN/SL products into the hopper.
7. Add correct amount of Carrier or Merge Adjuvant
8. Finish filling the hopper with water.
9. If it was not possible to engage hopper agitation in Step 1, do so as soon as possible once airborne.
10. Spray the pesticide suspension the same day as mixing.
11. Do not mix, load or clean equipment where there is a potential to contaminate wells or aquatic systems.

10.3.5 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 30 L/ha for aerial application.
2. Spray Nozzles: Use only ASABE medium nozzles rated as delivering droplets of volume median diameter of 300 microns or greater.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASABE medium sized droplets.
4. Ensure hopper agitation is engaged whenever possible during flight.

10.3.6 Equipment Clean-Up

Before Spraying

- Prior to using NCS IBEX 100 Herbicide, ensure that the hopper, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow NCS IBEX 100 Herbicide residue to dry within application equipment.
- When using tank mixes, consult the tank mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean application equipment near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

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

Method of application	Crop/Site		Spray Buffer zones (metres) required for the protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat and barley		1	0	N/A	N/A	1
Aerial	Spring wheat and barley	Fixed wing	1	0	N/A	N/A	25
		Rotary wing	1	0	N/A	N/A	25

N/A = Not applicable (Spray buffer zones for the protection of estuarine/marine habitats are not applicable for uses registered only in the Prairie provinces (Manitoba, Saskatchewan, Alberta) and the interior of British Columbia, including the Peace River Region.

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 (ASABE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website.

10.5 Rotational Crop Information

For fields treated with NCS IBEX 100 Herbicide, no crop may be seeded until the following year. There are no crop rotation limitations the year following application of NCS IBEX 100 Herbicide.

11.0 CROP USE DIRECTIONS

11.1 Crops

Spring Wheat and Barley

NCS IBEX 100 Herbicide can be used on all varieties of Spring Wheat and Barley.

One application per year is permitted.

Observe a minimum interval to harvest of 60 days after treatment for grain and straw and of 30 days after treatment for hay. Observe a minimum of 7 days before grazing livestock on crops treated with NCS IBEX 100 Herbicide.

Do not apply on any crop other than Spring Wheat or Barley, as crop damage will result. Do not allow spray to drift to adjacent fields seeded to crops other than Spring Wheat or Barley. Do not

treat Spring Wheat or Barley under-seeded to forages. Do not apply NCS IBEX 100 Herbicide on highly sensitive crops such as: Tame Oats, Proso Millet, Red Millet, Crown Millet or Canary Seed.

11.2 Weeds Controlled

Wild Oats, Green Foxtail, Yellow Foxtail, Barnyard Grass, Volunteer Oats, Volunteer Canary Seed and Proso Millet

Perennial grasses such as quack grass will not be controlled.

11.3 Timing of Application:

CROP/WEEDS*	GROWTH STAGE** (ZADOKS or BBCH)
SPRING WHEAT BARLEY	1 leaf to flag leaf stage (11, 20 to 37)
WILD OATS GREEN and YELLOW FOXTAIL BARNYARD GRASS VOLUNTEER OATS VOLUNTEER CANARY SEED PROSO MILLET	1 – 6 leaf, prior to 4 th tiller (11, 20 to 16, 23)

* When tank mixing with a broadleaf herbicide, always refer to the label of the broadleaf partner prior to use.

** Do not apply past flag leaf stage.

For optimum results, apply NCS IBEX 100 Herbicide to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application of NCS IBEX 100 Herbicide will not be controlled.

Weed control following application of NCS IBEX 100 Herbicide alone, or in combination with broadleaf weed herbicides, can be reduced or delayed under stress conditions such as drought, heat, insufficient fertility, flooding or prolonged cool temperatures. Grass escapes or re-tillering may occur if application is made during prolonged stress conditions. Optimum weed control will be obtained if application of NCS IBEX 100 Herbicide is delayed until the stress conditions have ended and weeds are once again actively growing.

NCS IBEX 100 Herbicide alone can be used one hour before rainfall.

Do not apply to crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease or insect damage as crop injury may result.

11.4 Rate of Use

Apply the recommended rate of NCS IBEX 100 Herbicide and Carrier or Merge Adjuvant in 50 L to 100 L of water per hectare for ground application and in a minimum of 30 L of water per hectare for aerial application. When tank mixing NCS IBEX 100 Herbicide with a tank mix partner, ensure you read the tank mix partner label for minimum water recommendations.

CROP	WEEDS CONTROLLED	USE RATES	
SPRING WHEAT BARLEY	WILD OATS GREEN and YELLOW FOXTAIL BARNYARD GRASS VOLUNTEER OATS VOLUNTEER CANARY SEED PROSO MILLET	NCS IBEX 100 Herbicide + Carrier or Merge Adjuvant	600 mL/ha 0.5% v/v 500 mL/ha

11.5 Tank Mixes with Broadleaf Weed Herbicides and Fungicides:

For broad spectrum weed control of annual grasses and broadleaf weeds, NCS IBEX 100 Herbicide can be tank mixed with broadleaf herbicides as described in the following table. NCS IBEX 100 Herbicide can also be tank mixed with TILT® 250E Fungicide for suppression or control of diseases in spring wheat and barley listed on the TILT 250E Fungicide label. Read and observe all label directions, including rates and restrictions for each product used in the tank mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

When tank mixing always add the broadleaf herbicide(s), insecticide or fungicide to the spray tank first; followed by NCS IBEX 100 Herbicide with Carrier or Merge Adjuvant. For the appropriate rate of NCS IBEX 100 Herbicide, refer to the 'Rate of Use' section of the label.

Tank-Mix Partner ¹	Product Rates
Refine® SG Herbicide ²	30 g/ha
Refine SG Herbicide + Mpower MCPA Ester 500	30 g/ha + 560 - 700 mL/ha
Buctril® M ³	1.0 L/ha
Curtail® M ³ Herbicide	1.5 to 2.0 L/ha
Mextrol 450 ³ Liquid Herbicide	1.25 L/ha
MCPA Ester ³ (assume 500 series)	840 mL to 1.1 L/ha
MCPA Ester ³ (assume 600 series)	700 – 920 mL/ha
TILT 250E Fungicide	250 – 500 mL
Infinity® Herbicide ⁴	0.83 L/ha
Frontline® XL Herbicide	1.25 L/ha
¹ Always consult the label of the broadleaf herbicide prior to use.	
² Addition of surfactants other than Carrier or Merge Adjuvant.	
³ A reduction in barnyard grass control may be observed when NCS IBEX 100 Herbicide is tank mixed with these broadleaf herbicides.	
⁴ For control of common ragweed and suppression of round-leaved mallow.	

Temporary crop injury may occur with tank mixes under extreme weather conditions or when the crop is suffering from stress due to inadequate or abnormally high moisture levels or extreme temperatures.

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, NCS IBEX 100 Herbicide is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to NCS IBEX 100 Herbicide and other Group 1 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 NCS IBEX 100 Herbicide or other Group 1 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 IPM 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 chemical control management practices.

Monitor weed populations after herbicide application for signs of treated weed populations for 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 company representatives at 1-437-880-8283.

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