

GROUP	9	15	27	HERBICIDES
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## HALEX® GT Herbicide

COMMERCIAL - AGRICULTURAL

A Herbicide Solution for Postemergence use in Glyphosate Tolerant Field Corn for Control of Annual and Perennial Grass and Broadleaf Weeds

FOR SALE FOR USE IN EASTERN CANADA AND THE RED RIVER VALLEY OF MANITOBA ONLY

### ACTIVE INGREDIENTS:

Glyphosate (present as the potassium salt) .....250 g/L acid equivalent  
S-metolachlor (and R-enantiomer) ..... 250 g/L  
Mesotrione ..... 25 g/L

Contains 1,2-benzisothiazolin-3-one at 0.025% as a preservative or contains 1,2-benzisothiazolin-3-one at 0.025%, 2-bromo-2-nitropropane-1,3-diol at 0.016%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0007%, and 2-methyl-4-isothiazolin-3-one at 0.00023% or contains 2-bromo-2-nitropropane-1,3-diol at 0.0327%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.014% and 2-methyl-4-isothiazolin-3-one at 0.000476% as preservatives.

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

CAUTION



POISON

**POTENTIAL SKIN SENSITIZER**

REGISTRATION NO.: **29341**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L - Bulk**

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario N1G 4Z3  
Telephone: 1-877-964-3682

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. The user assumes the risk to persons or property that arises from any such use of this product.

## 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. 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.

## 3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically if ingested or in contact with eyes or skin. If gastric lavage is considered necessary, prevent aspiration of gastric material. Administration of activated charcoal may also be considered.

## 4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Potential skin sensitizer. Harmful if inhaled. Avoid breathing spray mist.

When handling the concentrate, wear a long sleeved shirt and long pants, chemical-resistant gloves and eye protection. Wash the outside of the gloves before removing. Wash splashes from skin and eyes **IMMEDIATELY** with plenty of water. While spraying, wear a long sleeved shirt and long pants. Wear chemical-resistant gloves if contact with spray nozzles is necessary. Avoid working in spray mist. If ventilation is not adequate, wear an appropriate pesticide respirator. Avoid all drift or contact with other vegetation. After spraying, wash hands and

shower thoroughly with soap and water. While using product, do not eat, drink or smoke. Wash hands and exposed skin with soap and water thoroughly before eating, drinking, smoking, applying cosmetics or using the toilet. Keep product away from food, drink and animal feed. Store product in original container, tightly closed and in a safe place.

DO NOT re-enter treated areas within 12 hours of treatment. If required, individuals may re-enter treated areas within 12 hours of treatment for short term tasks not involving hand labour if at least 4 hours have passed since application and long-sleeved shirt, long pants and chemical resistant gloves are worn.

**DO NOT** use or store product near heat or open flame. **DO NOT** apply beyond the field boundary.

## 5.0 ENVIRONMENTAL PRECAUTIONS

**TOXIC** to aquatic organisms and 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.

## 6.0 PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of HALEX® GT Herbicide should be mixed, stored and applied only in stainless steel, fibreglass, plastic and plastic-lined steel containers.

**DO NOT MIX, STORE OR APPLY HALEX GT HERBICIDE OR SPRAY SOLUTIONS OF HALEX GT HERBICIDE IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** HALEX GT Herbicide or spray solutions of HALEX GT Herbicide react with such containers and tanks to produce hydrogen gas, which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

**DO NOT** apply more than 4.2 L product/ha per season.

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.

**DO NOT apply by air.**

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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

## **7.0 STORAGE**

Always store product in original container with top closed in a cool, dry place. To prevent contamination store this product away from food or feed. HALEX GT Herbicide can be stored in freezing conditions. If frozen, allow to thaw and agitate thoroughly prior to use. Do not use or store near heat or open flame.

## **8.0 DISPOSAL**

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.

### **FOR DISPOSAL OF PLASTIC JUGS:**

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 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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
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PAMPHLET

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### **FOR 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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

## 9.0 GENERAL INFORMATION

HALEX GT Herbicide contains three active ingredients for a one-pass broad-spectrum weed management program in Glyphosate Tolerant corn. HALEX GT Herbicide has both contact and residual activity. Following a post-emergent application of HALEX GT Herbicide, emerged weeds take up the herbicide through treated foliage and cease growth soon after application. HALEX GT Herbicide is also absorbed through the soil and/or by the foliage of emerging weeds. Complete death of the weeds may take up to 2 weeks. HALEX GT Herbicide provides residual

control of newly emerging susceptible weeds through root and shoot absorption. HALEX GT Herbicide has a high level of crop safety in Glyphosate Tolerant corn.

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 Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada 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.

Glyphosate is not to be applied using hand-wicking or hand-daubing methods.

## **10.0 USE DIRECTIONS – FIELD CORN:**

**WARNING:** APPLY HALEX GT HERBICIDE ON GLYPHOSATE TOLERANT CORN VARIETIES ONLY

**NOTE:** ALWAYS USE PEDIGREED (I.E. CERTIFIED) GLYPHOSATE TOLERANT CORN SEED. CORN WHICH IS NOT DESIGNATED AS GLYPHOSATE TOLERANT WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.

Apply HALEX GT Herbicide at 4.2 L per hectare in a spray volume of 100 - 200 L and a minimum pressure of 206 kPa (refer to the "*MIXING AND SPRAYING INSTRUCTIONS*" section of this label) for post-emergent weed control from the spike up to and including the 6 leaf stage of Glyphosate Tolerant corn. A non-ionic surfactant such as AGRAL® 90 at 0.2% v/v may be added.

For best results, apply HALEX GT Herbicide to actively growing weeds that are less than 15 cm in height. For protection of the corn crop's yield potential, apply HALEX GT Herbicide before the start of the critical period of weed control.

When Glyphosate Tolerant corn is grown under no-till conditions, a burndown weed control application may still be required prior to a HALEX GT Herbicide application.

HALEX GT Herbicide will control:

Broadleaf Weeds		Grasses
<b>Emerged<sup>1</sup> Weed Control of:</b>		
American nightshade	Mustard (wild)	Barley (volunteer)
Buckwheat (wild)	Pigweed (redroot, smooth)	Barnyard grass
Canola (non-glyphosate tolerant)	Ragweed (common)	Crabgrass (smooth, hairy)
Chickweed	Shepherd's purse	
Cleavers	Smartweed (green, Pennsylvania)	Fall panicum
Cocklebur	Sowthistle (perennial) <sup>3</sup>	Foxtail (green, yellow, giant)
Corn spurry	Stinkweed	Quackgrass
Cow cockle	Stork's bill	Proso millet (wild)
Eastern black nightshade	Tomato (wild)	Wheat (volunteer)
Flixweed	Thistle (Russian)	Wild oats
Hawk's beard (narrow-leaved)	Thistle (Canada) <sup>3</sup>	Witchgrass
Hempnettle	Velvetleaf	Yellow nutsedge <sup>2</sup>
Lamb's-quarters	Wirestem muhly	
Night flowering catchfly		
Kochia		
Lady's thumb		
Milkweed (common) <sup>2</sup>		

<b>Additional Residual Weed Control of:</b>		
American nightshade	Pigweed (redroot)	Barnyard grass
Eastern black nightshade	Mustard (wild)	Crabgrass (smooth, hairy)
Lady's thumb	Velvetleaf	Fall panicum
Lamb's-quarters		Foxtail (green, yellow, giant)
		Witchgrass

<sup>1</sup>Plants not fully emerged at time of application will not be controlled

<sup>2</sup>Suppression Only

<sup>3</sup>Perennial sowthistle and Canada thistle should be from the rosette stage to 20 cm in height and actively growing

### **HALEX GT Herbicide Plus AATREX® Liquid 480 Herbicide**

HALEX GT Herbicide may be tank mixed with AATREX Liquid 480 Herbicide at a rate of 0.58 L/ha for control of all weeds listed above plus residual control of wild buckwheat. A non-ionic surfactant such as AGRAL 90 at 0.2% v/v may be added. Consult the AATREX Liquid 480 Herbicide label for precautions, use rates and weeds controlled.

**11.0 PRE-HARVEST INTERVALS:**

Crops	PHI (days)
Field corn grain/stover	100
Field corn forage	90

**12.0 USE PRECAUTIONS**

Apply only when the potential for drift to areas of human habitation or 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.

HALEX GT Herbicide can only be used post-emergent on Glyphosate Tolerant corn.

Although HALEX GT Herbicide has a flexible recropping profile, certain crops may be sensitive to low concentrations in the soil. Therefore, careful consideration should be given to crop rotation plans prior to using HALEX GT Herbicide (refer to "*RECROPPING GUIDELINES*").

Do not apply when weather conditions may cause drift to non-target areas. Severe damage or destruction may be caused by contact of HALEX GT Herbicide to any vegetation (including leaves, green stems, exposed non-woody roots, or fruit) or crops, trees, and other desirable plants to which treatment is not intended. To avoid spray drift, do not apply when wind speed is greater than 16 kph or during periods of temperature inversions. Use of larger droplet sizes will also reduce spray drift.

When weeds are stressed due to drought, heat, lack of fertility, flooding or prolonged cool temperatures, control can be reduced or delayed since the weeds are not actively growing. Weed escapes or re-growth may occur when application is made under prolonged stress conditions. Optimum weed control will be obtained if an application of HALEX GT Herbicide is made following label directions when weeds are actively growing. If an activating rain (12 mm) is not received within 7-10 days after a post-emergent application, residual weed control will be reduced.

Thorough coverage of emerged weeds is essential for effective control with HALEX GT Herbicide. Although weed competition is quickly halted, visual symptoms of dying weeds (discolouration) may take up to 2 weeks to appear depending on the weed species and growing conditions.

Temporary crop injury (bleaching) may occur under extreme weather conditions or when the crop is under stress due to inadequate or abnormally high moisture levels or extreme temperatures. The symptoms are most visible where excessive rates have been applied, such as sprayer overlaps. Corn quickly outgrows these effects and continues to grow normally.

Do not make a foliar post-emergent application of any organophosphate or carbamate insecticide within 7 days before or 7 days after a HALEX GT Herbicide application or severe corn injury and yield loss may occur. Do not apply HALEX GT Herbicide in a tank mix with any organophosphate or carbamate insecticide or severe corn injury in yield loss may occur.

HALEX GT Herbicide may be applied prior to or following a pyrethroid-type insecticide such as

FORCE<sup>®</sup> Insecticide or MATADOR<sup>®</sup> 120EC Insecticide.

Do not apply to soils that contain less than 1% or more than 10% organic matter.

Do not cultivate corn within 7 days before or after a post-emergent HALEX GT Herbicide application.

Make only one application of HALEX GT Herbicide per year. Do not apply HALEX GT Herbicide to ground that has been or will be treated with CALLISTO<sup>®</sup> 480SC Herbicide.

Do not apply HALEX GT Herbicide with suspension fertilizers or urea ammonium nitrate (UAN) as the carrier.

### 13.0 SPRAY DRIFT MANAGEMENT FOR GROUND APPLICATIONS

#### GENERAL INFORMATION:

Use good pesticide practices and apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and parks is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings used for applications.

DO NOT apply using aerial application equipment.

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

#### 13.1 Buffer Zones

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

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

Method of application	Crop	Buffer zone (metres) required for the protection of:	
		Aquatic habitat	Terrestrial habitat
Field sprayer*	Glyphosate Tolerant Corn	25	15

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

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.

## **14.0 MIXING AND SPRAYING INSTRUCTIONS**

The use of urea ammonium nitrate (UAN) will result in crop injury and reduced grass weed control and is not recommended with HALEX GT Herbicide.

### **GROUND APPLICATION ONLY:**

#### **Water Volume:**

Apply in 100 – 200 litres per hectare. When weed foliage is dense, use a minimum 140 litres per hectare.

#### **Spray Pressure:**

206 – 300 kPa

#### **Spray Nozzles:**

Flat Fan with 50 mesh or larger screens. For uniform coverage and increased penetration of the crop canopy, set the nozzles at a downward angle of 90 degrees (90°).

#### **Surfactant:**

Postemergent applications of HALEX GT Herbicide may be applied with a non-ionic surfactant such as AGRAL 90 at 0.2% v/v (2.0 L for each 1000 L of spray mixture).

#### **Mixing Procedure:**

1. Ensure that the sprayer interior is clean, then fill the spray tank with  $\frac{1}{2}$  the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
2. Add any WG or DF formulation mix partners and agitate to ensure complete mixing.
3. Add the non-ionic surfactant if applicable (e.g., AGRAL 90) at 0.2% v/v.
4. Add any SE or SC formulation mix partners and agitate to ensure complete mixing.
5. Add HALEX GT Herbicide slowly and agitate until completely dispersed. To ensure complete dispersion, wait 2 or 3 minutes after the last of the herbicide has been added to the tank.
6. Add any EC formulation mix partners and agitate to ensure complete mixing.
7. Fill the tank to  $\frac{3}{4}$  the required amount of water.
8. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
9. Finish filling the sprayer with water, maintaining good agitation.
10. Always ensure that agitation is maintained until spraying is completed. After any break in spraying operations, agitate thoroughly before spraying again. Reduce agitation once

tank volume is reduced to about one third of capacity.

11. If agitation is stopped for more than 5 minutes, re-suspend the spray solution by running on full agitation prior to spraying. **HALEX GT Herbicide must be sprayed the same day as mixing.**
12. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

## 15.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, HALEX GT Herbicide is a Group 9, 15 and 27 herbicide. Any weed population may contain or develop plants naturally resistant to HALEX GT Herbicide and other Group 9 and/or 15 and/or 27 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 HALEX GT Herbicide or other Group 9, 15 and 27 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 and to report suspected resistance, contact company representatives at 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

## 16.0 RECROPPING GUIDELINES:

Certain crops have been shown to be sensitive to low residues of HALEX GT Herbicide in the soil. The minimum recropping interval is the time between the last application of HALEX GT Herbicide and the anticipated date of planting of the next crop.

To avoid injury to subsequent crops after an application at the recommended rate of HALEX GT Herbicide, the following recropping intervals should be observed.

CROP	MINIMAL RECROPPING INTERVAL
Winter wheat	4.5 months
Spring wheat	10 months
<b>Eastern Canada only</b> - Alfalfa, potato, soybeans, transplanted tomato, white beans*	11 months
All other crops	Bioassay

**\* DO NOT RECROP TO ALFALFA, POTATO, SOYBEANS, TRANSPLANTED TOMATOES, OR WHITE BEANS IN THE RED RIVER VALLEY OF MANITOBA WITHOUT FIRST PERFORMING A CONFIRMATORY BIOASSAY TO ENSURE CROP SAFETY.**

Observe the recropping guidelines of any product(s) to be tank mixed with HALEX GT Herbicide.

In the event of crop failure, only field corn (grain or silage), seed corn, or sweet corn can be planted as a salvage crop in the same fields in which the failed crop was treated with HALEX GT Herbicide. An application of HALEX GT must NOT be made to the salvage crop.

Land treated with HALEX GT HERBICIDE CAN ONLY BE PLANTED TO A CROP NOT LISTED IN THE PREVIOUS TABLE if a field bioassay can be successfully performed. The bioassay must indicate normal growth with no yield reductions.

A bioassay may be conducted in any year following the year of application to assess the tolerance of the tested crop intended for planting in the year following the bioassay. Do not conduct a bioassay in the year of application. When conducting a field bioassay, it is very important to select a representative area(s) of the field previously treated with HALEX GT Herbicide to plant the test crop(s).



## 17.0 FIELD BIOASSAY

### 1. **Representative Sample:**

Ensure that soil parameters such as soil texture, depth of topsoil layer, soil pH and drainage of the test area selected are representative of the remainder of the field.

### 2. **Sample Size:**

The seeded area of each selected bioassay crop must be large enough to ensure that reliable results are obtained. The seedbed preparations and seeding of the bioassay crop(s) should be conducted the same way as when the entire field would be planted.

### 3. **Other Residual Herbicides:**

It is important that other herbicide products which are known to have residual activity were not applied to the field between the last application of HALEX GT Herbicide and the bioassay testing period. Avoid the use of other pesticides during the duration of the bioassay as they may damage the indicator crop(s).

### 4. **Comparisons:**

Ideally, an untreated check strip in a neighbouring field should be established and monitored for comparison since growing conditions can vary greatly from year to year and may result in erroneous results.

### 5. **Assessment:**

The site should be monitored regularly throughout the growing season. Watch for any damage to the crop such as thinning, yellowing or stunting. A yield sample should be taken and compared to an adjacent untreated field.

***DO NOT ROTATE TO OTHER CROPS UNTIL THE BIOASSAY INDICATES NORMAL GROWTH WITH NO YIELD REDUCTIONS.***

***Failure to follow these recropping guidelines could result in injury to seeded crop(s).***

ADHERE TO THESE PRODUCT LABELS FOR BROADLEAF WEEDS CONTROLLED, PRECAUTIONS, WARNINGS, RESTRICTIONS, TANK MIXING AND SPRAYING INSTRUCTIONS, ROTATIONAL CROPS AND DETAILED DIRECTIONS FOR USE REGARDING DOSAGE VARIATIONS ACCORDING TO SOIL TYPE.

### **SPRAYER CLEANUP:**

To avoid subsequent injury to other crops, thoroughly clean application equipment immediately after spraying. Ensure that all traces of the product are removed. The following procedures are recommended:

1. Drain and flush tank, boom and all hoses for several minutes with clean water containing a household detergent. **Do not** clean the sprayer near desirable vegetation, wells or other water sources.
2. Fill the sprayer tank with clean water and add one litre of household ammonia (containing 3% ammonia) per 100 litres of water. Allow the solution to agitate for 15 minutes prior to flushing the solution through the boom and nozzles. Drain the system.
3. Remove the nozzles and screens and wash separately in a bucket containing the ammonia solution.
4. Thoroughly rinse the tank, hoses, booms, nozzles and screens with clean water for a minimum of 5 minutes to remove all traces of ammonia.
5. Dispose of all rinsings in accordance with provincial regulations.