

Group	27	Herbicide
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IMPACT[®] Herbicide

**FOR SALE FOR USE ON FIELD CORN
(including both conventional and herbicide tolerant varieties),
SWEET CORN AND SEED CORN**

SUSPENSION

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Topramezone336 g/L

Contains 1 ,2-benzisothiazolin-3-one at 0.0425% or 0.0045% and 2-methyl-4-isothiazolin-3-one at 0.0045% as preservatives

Warning, contains the allergen soy

REGISTRATION NO. 28141 PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-888-462-6822**

NET CONTENTS: 0.1 L to 1000 L

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN



AMVAC Chemical Corporation
1-888-462-6822

Distributed by:
United Agri Products
789 Donnybrook Drive
Dorchester, Ontario
N0L 1G5
1-519-268-8001

PRECAUTIONS: Please refer to the booklet for the complete list of precautions.

STORAGE

1. Store IMPACT Herbicide in original container only.
2. Store IMPACT Herbicide in a cool, dry place.
3. Do not contaminate water, food or feed by storage.
4. Protect from freezing. If this product has been stored where freezing temperatures have occurred, agitate or mix contents of container well before use.

Container Cleaning and Disposal

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 requirements.

Returnable Containers:

DO NOT reuse this container for any purpose. For Disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal 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.

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.

FIRST AID

If swallowed or accidentally consumed, 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 ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call 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. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

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

As this product contains an aromatic petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

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 strip between the treated area and the edge of the water body.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

TOXIC to small wild mammals.

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.

AMVAC, Impact and the Beaker logo are trademarks of AMVAC Chemical Corporation.

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GENERAL INFORMATION

IMPACT Herbicide is a systemic post-emergence herbicide for selective control of grasses and broadleaf weeds in field corn (conventional and herbicide tolerant hybrids), sweet corn and seed corn (hybrids and inbred lines).

IMPACT Herbicide is absorbed by leaves, roots, and shoots and translocated to the growing points of sensitive weeds to provide post-emergence control of emerged weeds. IMPACT Herbicide controls weeds by inhibiting carotenoid biosynthesis (HPPD inhibitor). Temperatures and moisture conditions for active plant growth are important for optimum IMPACT Herbicide activity.

DIRECTIONS FOR USE

FIELD CORN, SWEET CORN and SEED CORN (Hybrids and Inbred Lines)

IMPACT Herbicide is effective in post-emergence control of annual weeds in conservation tillage as well as in conventional production systems. Apply IMPACT Herbicide as a post-emergence treatment to corn when weeds are actively growing. For optimal weed control, apply IMPACT Herbicide before the weeds exceed labeled leaf stages.

IMPACT Herbicide can be applied post-emergence on field corn, including imazethapyr tolerant corn (i.e., Clearfield[®]), glyphosate tolerant corn (i.e. Roundup Ready[®]) and glufosinate ammonium tolerant corn (i.e. LibertyLink[®] hybrids), sweet corn and seed corn (hybrids and inbred lines).

IMPACT Herbicide should be applied during favourable growing conditions for optimum crop tolerance and weed control. Crops under environmental stress are more likely to show injury from any herbicide application. Rarely, plants under these conditions treated with IMPACT Herbicide may show some transient bleaching of the portion of the leaves intercepting the spray application. These symptoms are transient and occur infrequently. Growth is not affected and normal plant appearance is seen within 1 to 2 weeks.

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 and Biological Engineers[®] (ASABE[®]) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

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 shrub lands) 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 of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	
Field sprayer*	Field corn	1	1	5

*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labeled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labeled buffer zone can be reduced by 30%.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASABE) category indicated on the labels for those tank mix partners.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, IMPACT Herbicide is a Group 27 herbicide. Any weed population may contain or develop plants naturally resistant to IMPACT Herbicide and other Group 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 IMPACT Herbicide or other Group 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 or to report suspected resistance, contact company representatives at AMVAC Chemical Corporation at 1-888-462-6822.

WEEDS CONTROLLED

For best performance on grass and broadleaf weeds, spray before the weeds exceed the maximum leaf stage listed in the Application Directions table.

IMPACT Herbicide is effective on biotypes of species listed that may be resistant to triazines or ALS herbicide products.

For field corn, IMPACT Herbicide must be tank mixed with AAtrex[®] 480, atrazine, glyphosate, glyphosate plus atrazine, Frontier[®] Max[™] herbicide plus atrazine, or Prowl H₂O herbicide plus AAtrex 480 to provide improved control of annual broadleaf and annual grass weeds.

For weed control in sweet corn and seed corn, IMPACT Herbicide must be tank mixed with AAtrex 480 or atrazine. For full broad spectrum seasonal weed control, apply to sweet and seed corn following a pre-emergence application of a residual herbicide such as Frontier[®] Max[™] herbicide.

APPLICATION DIRECTIONS

Merge[®] adjuvant, Hasten[®] NT spray adjuvant, Assist[®] oil concentrate, XA[™] oil concentrate or MSO[™] Concentrate with Leci-Tech plus liquid fertilizer (UAN 28%) must be added to all applications of IMPACT Herbicide as directed in specific tank mixes. Uniformly apply with properly calibrated ground equipment using 200 L water per hectare. Select nozzle types and spray pressure which will provide thorough coverage of target weeds. A spray pressure of 140-276 kPa is recommended.

Do not apply when wind speeds exceed 8 km/h or when drift near desirable plants is possible.

FIELD CORN

IMPACT Herbicide must be used as a broadcast ground treatment in tank mix with AAtrex 480, atrazine or glyphosate. IMPACT herbicide may be applied with Frontier[®] Max[™] herbicide plus atrazine, or with Prowl H₂O herbicide plus AAtrex 480 for control of a broader spectrum of grass and broadleaf weeds. Alternatively, IMPACT Herbicide must be used in tank mix with glyphosate or atrazine plus glyphosate for control of a broader spectrum of emerged grass and broadleaf weeds. Refer to the atrazine, glyphosate, Frontier[®] Max[™] herbicide, and Prowl herbicide labels for precautions and restrictions.

SWEET CORN AND SEED CORN (Hybrids and Inbred Lines)

IMPACT Herbicide must be used as a broadcast ground treatment in tank mix with AAtrex 480 or atrazine for improved weed control. For full broad spectrum seasonal weed control, apply following a pre-emergence application of a residual herbicide such as Frontier® Max™ herbicide. Refer to the atrazine label for precautions, restrictions and limitations.

Sweet and seed corn cultivars may vary in their tolerance to herbicides, including a tank mix of IMPACT Herbicide (topramezone) + atrazine (atrazine 480 herbicide or AAtrex Liquid 480 herbicide). Since not all sweet and seed corn cultivars have been tested for tolerance to a tank mix of topramezone + atrazine, first use should be limited to a small area of each cultivar to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific cultivars of sweet and seed corn to the tank mix of IMPACT Herbicide + atrazine.

TANK MIXES

When IMPACT Herbicide is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, restrictions and precautions. Always use in accordance with the most restrictive label restrictions and precautions.

IMPACT Tankmix with atrazine (for use in field corn, sweet corn and seed corn – hybrids and inbred lines)

Apply IMPACT Herbicide when the corn is at the 1 to 7-leaf stage, broadleaf weeds are at the 1 to 8-leaf stage and grass weeds are at the 1 to 4-leaf stage.

Refer to the atrazine label for precautions, restrictions and limitations. Always use in accordance with the more restrictive label restrictions and precautions.

Herbicide	Rate mL Product/ha	Weeds Controlled	Weeds Suppressed
IMPACT Herbicide + AAtrex 480¹ + Merge Adjuvant² OR Hasten NT Spray Adjuvant³ OR Assist Oil Concentrate⁴ OR XA Oil Concentrate⁵ OR MSO Concentrate with Leci-Tech⁶ + UAN⁷	37 mL + 1.04 L (500 g ai/ha)	Common lamb's quarters Lady's thumb Common ragweed Eastern black nightshade Wild mustard Redroot pigweed Green pigweed Canola, Volunteer (including glyphosate tolerant biotypes)	Velvetleaf Common chickweed Green foxtail Yellow foxtail Large crabgrass Barnyard grass Giant Ragweed

IMPACT Herbicide + atrazine + Merge Adjuvant² OR Hasten NT Spray Adjuvant³ OR Assist Oil Concentrate⁴ OR XA Oil Concentrate⁵ OR MSO Concentrate with Leci-Tech⁶ + UAN⁷	37 mL + 500 g ai/ha		
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¹ Other atrazine formulations may require rate calculation adjustment according to percent of active ingredient.

² Use Merge adjuvant at 0.5% v/v, i.e. 5 litres per 1000 L spray solution.

³ Use Hasten NT spray adjuvant at 0.5% v/v, i.e. 5 litres per 1000 L spray solution.

⁴ Use Assist at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution.

⁵ Use XA oil concentrate at 1% v/v, i.e. 10 litres per 1000 L spray solution.

⁶ Use MSO Concentrate with Leci-Tech at 1% v/v, i.e. 10 litres per 1000 L spray solution.

⁷ Use UAN at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution.

IMPACT Tank mix with Frontier Max Herbicide plus Atrazine

Apply when the corn is at the 1 to 3 leaf stage, broadleaf weeds are at the 1 to 8 leaf stage and grass weeds are at the 1 to 4 leaf stage.

Refer to the Frontier Max herbicide and atrazine labels for precautions, restrictions and limitations. Always use in accordance with the more restrictive label restrictions and precautions.

Herbicide	Rate per hectare	Weeds controlled	Weeds suppressed
IMPACT Herbicide + atrazine + Frontier Max Herbicide + Hasten NT Spray Adjuvant ¹ OR Assist Oil Concentrate ² OR XA Oil Concentrate ³ OR MSO Concentrate with Leci-Tech ⁴ + UAN ⁵	37 mL + 500 g a.i. + 756 mL	Common lamb's-quarters Lady's thumb Common ragweed Eastern black nightshade Wild mustard Redroot pigweed Green pigweed Green foxtail Yellow foxtail Large crabgrass Barnyard grass Fall panicum Old witchgrass Canola, Volunteer (including glyphosate tolerant biotypes)	Velvetleaf Common chickweed Giant Ragweed

¹ Use Hasten NT spray adjuvant at 0.25% v/v, i.e. 2.5 litres per 1000 L spray solution.

² Use Assist at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution.

³ Use XA oil concentrate at 1% v/v, i.e. 10 litres per 1000 L spray solution.

⁴ Use MSO Concentrate with Leci-Tech at 1% v/v, i.e. 10 litres per 1000 L spray solution.

⁵ Use UAN at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution.

IMPACT Tankmix with Glyphosate

For control of emerged weeds, apply when the corn is at the 1 to 7 leaf stage, broadleaf weeds are at the 1 to 8 leaf stage and grass weeds are at the 1 to 4 leaf stage. Refer to glyphosate label for additional flexibility in weed stages at the time of application.

WARNING

Apply glyphosate on glyphosate tolerant field corn varieties only, i.e. varieties with the Roundup Ready gene. **CORN VARIETIES WHICH ARE NOT DESIGNATED AS GLYPHOSATE TOLERANT or ROUNDUP® READY® WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.**

Refer to the glyphosate label for precautions, restrictions and limitations. Always use in accordance with the more restrictive label restrictions and precautions.

Herbicide	Rate product/ha or (g ai/ha)	Weeds Controlled	Weeds Suppressed
IMPACT HERBICIDE + glyphosate ^{1,2}	37 mL/ha + (900 g ae/ha)	Common ragweed Eastern black nightshade Wild mustard	Common lamb's quarters Velvetleaf Common chickweed Lady's thumb Green foxtail Yellow foxtail Large crabgrass Barnyard grass Canola, Volunteer (including glyphosate tolerant biotypes)
Refer to the glyphosate label for additional weed species controlled or suppressed.			

¹ Recommended spray additives found on the glyphosate product label may be used in a tank-mix with IMPACT Herbicide.

² Only use glyphosate products registered for post-emergence application on glyphosate tolerant corn, where glyphosate is present as isopropylamine salt or potassium salt. A rate of 900 g ae/ha is equivalent to 1.67 L/ha of Roundup WeatherMax® or 2.5 L/ha of Roundup® Original.

IMPACT Tankmix with Glyphosate plus Atrazine

For control of emerged weeds, apply when the corn is at the 1 to 7 leaf stage, broadleaf weeds are at the 1 to 8 leaf stage and grass weeds are at the 1 to 4 leaf stage. Refer to glyphosate label for additional flexibility in weed stages at the time of application.

WARNING

Apply glyphosate on glyphosate tolerant field corn varieties only, i.e. varieties with the Roundup Ready gene. **CORN VARIETIES WHICH ARE NOT DESIGNATED AS GLYPHOSATE TOLERANT WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.**

Refer to the atrazine and glyphosate labels for precautions, restrictions and limitations. Always use in accordance with the more restrictive label restrictions and precautions.

Herbicide	Rate product/ha or (g ai/ha)	Weeds Controlled	Weeds Suppressed
IMPACT HERBICIDE + glyphosate ^{1,2} + atrazine ³	37 mL/ha + (900 g ae/ha) + (500 g ai/ha)	Common lamb's quarters Lady's thumb Common ragweed Eastern black nightshade Wild mustard Redroot pigweed Green pigweed Canola, Volunteer (including glyphosate tolerant biotypes)	Velvetleaf Common chickweed Green foxtail Yellow foxtail Large crabgrass Barnyard grass Giant Ragweed
		Refer to the glyphosate label for additional weed species controlled or suppressed.	

¹ Recommended spray additives found on the glyphosate product label may be used in a tank-mix with IMPACT Herbicide.

² Only use glyphosate products registered for post-emergence application on glyphosate tolerant corn, where glyphosate is present as isopropylamine salt or potassium salt. A rate of 900 g ae/ha is equivalent to 1.67 L/ha of Roundup WeatherMax or 2.5 L/ha of Roundup Original.

³ Equivalent to 1.04 L/ha of AAtrex 480.

IMPACT Tank Mix with PROWL[®] H2O and AATREX 480 (for use in field corn)

For control of emerged weeds, apply when the corn is at the 1 to 4-leaf stage, broadleaf weeds are at the 1 to 8-leaf stage and grass weeds are at the 1 to 4-leaf stage.

Refer to the Prowl H₂O and atrazine labels for precautions, restrictions, limitations, buffer zone and rotational re-cropping guidelines. Always use in accordance with the more restrictive label restrictions and precautions.

IMPACT[®] Herbicide may be used as a broadcast tank mix with PROWL H₂O and AATREX 480 to control broadleaf weeds and annual grasses as follows. Apply in 200 L of water per hectare with a field sprayer.

The tank mix provides post emergence control of emerged weeds. Temperatures and moisture conditions for active plant growth are important for optimum herbicide activity.

Herbicide	Rate product/ha or (g ai/ha)	Weeds Controlled
IMPACT HERBICIDE + PROWL H2O + AATREX 480 + Merge Adjuvant ³ OR Hasten NT Spray Adjuvant ⁴ OR Assist Oil Concentrate ⁵ OR XA Oil Concentrate ⁶ OR MSO Concentrate with Leci-Tech ⁷ + UAN ⁸	37 mL/ha + 3.7L/ha + 1.04L/ha (500g ai/ha) + As specified in footnotes	Barnyard Grass, Common Crabgrass(large and smooth) Green Foxtail Yellow Foxtail Common Chickweed Lamb's quarters ¹ Green Pigweed ¹ Redroot Pigweed ¹ Green Smartweed Common Ragweed Wild Buckwheat Velvetleaf ² Pennycress Wild Mustard Lady's Thumb

¹ Includes triazine resistant biotypes.

² Early post-emergence applications only up to the 3-leaf stage of corn.

³ MERGE Adjuvant at 0.5% v/v, i.e. 5 litres per 1000 L spray solution

⁴ HASTEN NT Spray Adjuvant at 0.5% v/v, i.e. 5 litres per 1000 L spray solution

⁵ ASSIST Oil Concentrate at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution

⁶ XA Oil Concentrate at 1% v/v, i.e. 10 litres per 1000 L spray solution

⁷ MSO Concentrate with Leci-Tech at 1% v/v, i.e. 10 litres per 1000 L spray solution

⁸ UAN at 1.25% v/v, i.e. 12.5 litres per 1000 L spray solution.

SPRAY ADDITIVES

For best adherence and foliar uptake, IMPACT Herbicide may require the addition of spray additives to the spray solution. Consult the Application Direction tables for rates and recommendations.

MIXING INSTRUCTIONS AND ORDER

IMPACT Herbicide Tank Mixes:

Add dry material first for proper dispersion.

1. Fill sprayer 1/2 full with clean water and agitate.
2. Add dry tank mix partners into the spray tank and agitate.
3. Add IMPACT Herbicide and thoroughly mix.

4. After the IMPACT Herbicide has visibly dispersed, add any liquid herbicide tank mix partners.
5. Add either Merge adjuvant, Hasten NT spray adjuvant, Assist oil concentrate, or XA oil concentrate followed by liquid fertilizer (UAN 28%), with the exception of glyphosate tank-mixes.
6. While agitating, fill the remainder of the tank with water up to the proper level.

CROP HARVEST

Do not apply IMPACT Herbicide within 45 days of corn harvest (silage, fodder or grain).

Do not graze or feed treated corn forage, silage, fodder or grain for at least 45 days after an application of IMPACT Herbicide.

Treated seeds grown for seed production are not to be fed to livestock.

ROTATIONAL CROPPING

In the event of crop failure in fields treated with IMPACT Herbicide, only field corn can be re-planted as a rescue crop. A second application of IMPACT Herbicide cannot be made in the rescue crop.

Fields treated with IMPACT Herbicide can be seeded to winter wheat at a minimum four months after application and can be seeded to spring wheat, field corn, navy (white) bean, soybean, pea, alfalfa, canola, potato, flax, lentil and sunflower the following year.

Conduct a field bioassay (a test strip grown to maturity) the year before growing any other crop.

Always refer to the tank mix partner's product label for any additional recropping restrictions.

PRECAUTIONS

Make only one application of IMPACT Herbicide per year.

1. KEEP OUT OF REACH OF CHILDREN.

2. Avoid breathing spray or spray mist.

3. Avoid contact with skin, eyes, and clothing.

4. Harmful if swallowed.

5. DO NOT APPLY BY AIR.

6. When mixing and loading or applying, wear a long sleeved shirt, long pants, shoes and socks. In addition, wear chemical resistant gloves and protective eyewear (face shield or safety glasses) while mixing and loading.

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

8. Do not apply directly to water or areas where surface water is present.
9. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
10. Do not apply this product through any type of irrigation system.
11. Do not contaminate domestic or irrigation water. Thoroughly clean application equipment. (See Container Cleaning and Disposal)

SPRAY DRIFT PRECAUTIONS

IMPACT Herbicide may cause injury to desirable trees and plants. Follow these precautions when spraying in the vicinity of sensitive crops:

1. Do not spray IMPACT Herbicide if wind velocity exceeds 8 km/h. Leave an adequate buffer zone between spraying area and sensitive plants.
2. Use high-volume sprays under low pressure. Use coarse sprays since they are less likely to drift than fine sprays. Keep spray pressure below 276 kPa and the spray volume above 200 L/ha unless otherwise required by the nozzle manufacturer.
3. 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, application equipment and sprayer settings.

CLEANING, DISPOSAL AND STORAGE

Container Cleaning and Disposal

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 requirements.

Returnable Containers:

DO NOT reuse this container for any purpose. For Disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal 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.

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.

Spray Equipment Cleaning

IMPACT Herbicide with other tank mixes

Follow these steps to clean the spray equipment:

1. Thoroughly hose down the inside and outside of equipment surfaces while filling the spray tank half-full with water. Flush by operating the sprayer until the system is purged of the rinse water.
2. Fill the tank with water, adding 1 L of household ammonia for every 100 L of water. Operate the spray pump to circulate the ammonia solution through the spray system for 15-20 minutes and discharge a small amount of the ammonia solution throughout the spray boom and nozzles. Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Remove the nozzles and screens and flush the system with two tanks full of water.
5. Refer to the tank mix partner's product label for any additional cleaning instructions not included in the above steps.

STORAGE

1. Store IMPACT Herbicide in original container only.
2. Store IMPACT Herbicide in a cool, dry place.
3. Do not contaminate water, food or feed by storage.
4. Protect from freezing. If this product has been stored where freezing temperatures have occurred, agitate or mix contents of container well before use.

FIRST AID

If swallowed or accidentally consumed, 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 ambulance, then give

artificial respiration, preferably by mouth to mouth, if possible. Call 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. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

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

As this product contains an aromatic petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

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 strip between the treated area and the edge of the water body.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

TOXIC to small wild mammals.

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.

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