GROUP	4	HERBICIDE
GROUP	6	HERBICIDE

TRAXOS® III A Herbicide

COMMERCIAL – AGRICULTURAL

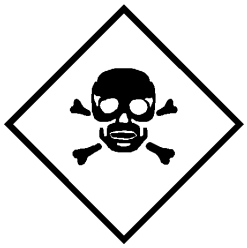
Emulsifiable Selective Herbicide

For use in spring wheat and barley

ACTIVE INGREDIENTS:
Bromoxynil (present as octanoate ester).....225 g/L
2,4-D (present as 2-ethylhexyl ester) .....225 g/L

Warning, contains the allergen soy.

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

WARNING  **POISON**

EYE AND SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

REGISTRATION NUMBER: **35661**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 4 L to 1050 L

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

Label

1.0 NOTICE TO USER

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2.0 FIRST AID

IN CASE OF POISONING, contact a doctor 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

This product contains an aromatic hydrocarbon solvent. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. This product may cause mild irritation to the eyes. Overexposure to 2,4-D may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

4.0 PRECAUTIONS

HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN.

DO NOT get in eyes. DO NOT get on skin. Causes eye and skin irritations. Wash concentrate from skin or eyes immediately.

Avoid working in spray mist. After use wash hands and other exposed skin.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.

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.

For containers larger than 20 L: Use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank. When handling more than 265 kg a.e. of 2,4-D (1177 L of TRAXOS® III A Herbicide) per day, workers must also use a closed system.

Restricted Entry Intervals (REI): DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. Only handlers wearing personal protective equipment may be in the area being treated during application.

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.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Ground applications: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean-up and repair. Wear a long-sleeved shirt and long pants, chemical resistant gloves, and socks plus shoes during applications. Gloves are not required during application within a closed cab.

For mixing and loading: All handlers must wear protective eye wear (face shield or safety glasses).

If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Rinse gloves before removal.

After using this product, remove clothing and launder separately and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.

After work, remove all clothing and shower using soap and water.

Wear freshly laundered clothing and clean protective equipment daily.

Wash hands before eating, drinking, using tobacco or using the toilet.

6.0 ENVIRONMENTAL PRECAUTIONS

TOXIC to small wild mammals, birds, aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product contains aromatic petroleum distillates, which are toxic to aquatic organisms.

Leaching: 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.

Surface Runoff: 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.

Avoid contamination of ponds, streams, rivers and other water sources. Avoid spray drift onto crops other than those recommended.

This product will harm other broadleaved plants in the vicinity of the treatment area. Do not spray exposed roots of trees and ornamentals.

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.

Do not irrigate within 24 hours after application.

7.0 STORAGE

Store this product away from food or feed. Store the container tightly closed away from seeds, fertilizer and plants. This TRAXOS III A Herbicide formulation will solidify at temperatures below -20°C, but will become usable at temperatures above 0°C. *Shake well before using.*

Insecticides and fungicides should be separated from herbicides so as to prevent the possibility of cross contamination.

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 clean-up of spills.

For 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

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

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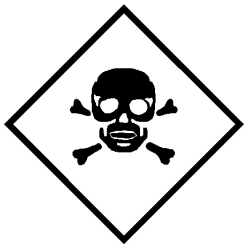
WARNING  **POISON**

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Pamphlet

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9.0 PRODUCT INFORMATION

An emulsifiable selective herbicide for use in spring wheat and barley.

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.

Avoid spray drift to any desirable vegetation NOT listed on this label as damage may occur. Avoid contamination of ponds, streams, rivers, lakes and other water sources. Do not spray during periods of high winds when spray is likely to drift. Coarse sprays are less likely to drift. Do not spray during periods of high temperatures when crops may be under stress as damage to the crop may occur.

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.

10.2 Ground Application

10.2.1 General Precautions

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.

DO NOT apply by air.

10.2.2 Mixing Instructions

Half fill the tank with clean water. Add the required amount of TRAXOS III A Herbicide and agitate thoroughly. Fill the tank and agitate again before use.

10.2.3 Spraying Instructions

Select nozzle tips to apply the recommended volume per hectare. Flood jet type tips are not recommended. Adjust boom height to ensure uniform coverage of the weeds. For ground applications, spray at 5 to 10 kph. Ensure that all tips are in good condition and spraying the same volume.

10.2.4 Equipment Clean-Up

Wash the tank and clean all filters, screens and tips.

10.3 Spray Buffer Zones

Appropriate spray buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.

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	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitats of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitats
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	All crops	1	1	1	1	1

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

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca web site.

11.0 CROP USE DIRECTIONS

11.1 Timing

For best results spray when weeds are in the seedling stage. Apply in good growing conditions. Application *must* be made before the crop shields the weeds.

11.2 Weeds Controlled

Common Name	Leaf Stage*
American nightshade	4 leaf
Ball mustard	4 leaf
Bluebur	4 leaf
Cocklebur	4 leaf
Common buckwheat	8 leaf
Common groundsel	8 leaf
Common ragweed	4 leaf
Cow cockle	4 leaf
Flixweed	4 leaf
Green smartweed	4 leaf
Kochia	5 cm high (1-12 leaf)
Lady's-thumb	4 leaf
Lamb's-quarters	8 leaf
Night-flowering catchfly	4 leaf
Pale smartweed	4 leaf
Redroot pigweed	4 leaf
Russian thistle	5 cm high (2-12 leaf)
Shepherd's purse	4 leaf
Stinkweed	8 leaf
Tartary buckwheat	8 leaf
Triazine resistant pigweed	4 leaf
Velvetleaf	8 cm high
Volunteer canola	4 leaf
Volunteer sunflower	4 leaf
Wild buckwheat	8 leaf
Wild mustard	8 leaf

*Weeds can be controlled up to the recommended stage.

11.3 Spring Wheat and Barley

CROPS	Spring Wheat and Barley (not underseeded to legumes)
WEEDS CONTROLLED	As listed above
RATE	1.25 L/ha
APPLICATION VOLUME	Ground Application: 50 – 100 L/ha water at a pressure of 275 kPa
APPLICATION TIMING	Spring wheat and barley may be treated from the 4-leaf stage until the early flag leaf stage. Application before the 4-leaf stage may injure the crop.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	1
PRE-HARVEST INTERVAL (PHI)	Do not permit livestock to graze fields within 30 days after application. Do not harvest forage or cut hay within 30 days after application. Withdraw meat animals from treated fields at least 3 days before slaughter.

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that TRAXOS III A Herbicide is a Group 4 and 6 herbicide. Any weed population may contain or develop plants naturally resistant to TRAXOS III A Herbicide and other Group 4 and 6 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 TRAXOS III A Herbicide or other Group 4 and 6 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 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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