

GROUP	1	HERBICIDE
GROUP	4	HERBICIDE

TRAXOS® III B Herbicide

COMMERCIAL – AGRICULTURAL

Emulsifiable Concentrate

FOR SALE FOR USE IN THE PRAIRIE PROVINCES, EASTERN CANADA AND INTERIOR OF BRITISH COLUMBIA ONLY.

A post-emergence herbicide for control or suppression of listed weeds in spring wheat, winter wheat and durum wheat.

ACTIVE INGREDIENTS:

Pinoxaden25.1 g/L
Clodinafop-propargyl.....25.1 g/L
Fluroxypyr 111 g/L
(present as 1-methylhexylheptyl ester)

Contains Cloquintocet-mexyl at 6.25 g/L as a safener

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

**CAUTION – SKIN IRRITANT
POTENTIAL SKIN SENSITIZER**

REGISTRATION NUMBER: **35762**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 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

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 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

TRAXOS® III B 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 REACH OF CHILDREN.

May irritate the skin. Avoid contact with skin. Potential skin sensitizer.

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

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.

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)

Wear chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. Coveralls and gloves are not required during application within a closed cab.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to 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.

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.

7.0 STORAGE

Store this product away from food or feed. Keep in original container, tightly closed, during storage. Store this product away from seed or fertilizer. Store in a cool, dry, well-ventilated secure area away from other pesticides, feed, foodstuffs, beverages and tobacco, and out of the reach of children, unauthorized persons and animals.

Keep away from fire or open flame, or other sources of heat. If frozen, allow to thaw and agitate thoroughly prior to use.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial or territorial regulatory agency. Contact the manufacturer 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 tank.
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For Refillable Containers:

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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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Pamphlet

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CALL 1-800-327-8633 (FASTMED)***

9.0 PRODUCT INFORMATION

A post-emergence herbicide for control of wild oats, green foxtail, yellow foxtail, Persian dandelion, volunteer oats, volunteer canary seed, proso millet, barnyard grass, kochia, cleavers, volunteer flax, round-leaved mallow and suppression of chickweed, stork's bill, wild buckwheat, and

hempenetle in spring wheat, winter wheat, and durum wheat.

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.

DO NOT apply by air.

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 tested all potential tank-mixes for impact on performance. Not all crops or varieties/cultivars/hybrids of the crop groups have been tested for phytotoxicity and should be used at the discretion of the user. It is recommended to test tank mixes containing this product on a small portion of the crop to ensure that a phytotoxic response will not occur.

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 Engineers (ASABE) S572 (572.1 to 572.3) Coarse classification. Boom height must be 60 cm or less above the crop or ground.

10.2.2 Mixing Instructions

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 any SC formulation mix partners and agitate to ensure complete mixing.
4. Add TRAXOS III B (EC) herbicide and agitate to ensure complete mixing.
5. Add any additional EC formulation mix partners and agitate to ensure complete mixing.
6. Fill the tank to $\frac{3}{4}$ the required amount of water.
7. Add any solution (SN) formulation mix partners and agitate to ensure complete mixing.
8. Finish filling the sprayer with water, maintaining good agitation.
9. After any break in spraying operations, agitate thoroughly before spraying again.
10. Spray the herbicide suspension the same day as mixing.
11. 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.

10.2.3 Spraying Instructions

1. Water Volume: 50 to 100 litres per hectare when applied alone and a minimum of 100 L/ha when tank-mixed with broadleaf herbicides.
2. Sprayer Agitation: Use a jet agitator or liquid sparge tub which recirculates 10% or more of the tank per minute. DO NOT use an air sparger.
3. Pump: Screens should be used to protect the pump and prevent clogging. Use 16 mesh or coarser screens on the suction side of the pump. DO NOT place a screen in the recirculation line. Use 50 mesh or coarser screens between the pump and boom unless directed otherwise by the sprayer manufacturer.
4. Spray Nozzles: 80° or 110° pre-orifice flat fan or air induction nozzles are recommended. Application of the spray mixture at a 45° angle in the direction of travel will result in improved spray coverage. Use 50 mesh nozzle screens. Do not use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
5. Pressure: As recommended by the nozzle manufacturer to achieve ASABE Coarse sized droplets.
6. Apply uniformly at 6-8 km/hr and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from an over application.

10.2.4 Equipment Clean-Up

Before Spraying:

- Prior to using TRAXOS III B Herbicide, ensure that the spray tank, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow TRAXOS III B residues 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 or territorial regulations.

10.3 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	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	Wheat	1	0	1	1	1

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.

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

10.4 Rotational Crop Restrictions

For fields treated with TRAXOS III B Herbicide, no crop may be seeded until the following year. Fields previously treated with TRAXOS III B Herbicide can be seeded the following year to barley, canola, flax, forage grasses, lentils, mustard, oats, peas, rye or wheat or fields can be summerfallowed.

11.0 CROP USE DIRECTIONS

11.1 Wheat

CROPS	Spring Wheat, Durum Wheat, Winter Wheat**
WEEDS CONTROLLED	Wild Oats, Volunteer Canary Seed, Volunteer (tame) Oats, Proso Millet, Green Foxtail, Yellow Foxtail, Barnyard Grass, Persian Darnel, Cleavers, Kochia, Round-leaved Mallow, Volunteer Flax
WEEDS SUPPRESSED*	Chickweed, Hempnettle, Stork's-bill, Wild Buckwheat
RATE	1.2 L/ha
APPLICATION VOLUME	Ground Application: 50 - 100 L/ha water
APPLICATION TIMING	2 leaf to stem elongation (BBCH 12 - 31)
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	1
PRE-HARVEST INTERVAL (PHI)	60 days for grain and straw 30 days for hay
NOTES	When tank-mixing with a broadleaf herbicide an insecticide or a fungicide, always refer to the label of the broadleaf partner or fungicide partner prior to use. Observe a minimum of 7 days before grazing livestock. * Suppression is expressed as a reduction in weed competition (reduction population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment. ** Apply to winter wheat in the spring only. TRAXOS III B Herbicide alone can be used one hour before rainfall.

11.1.1 Timing of Application for Weeds

WEEDS CONTROLLED	GROWTH STAGE	ADDITIONAL REMARKS
Wild Oats Volunteer Canary Seed Volunteer (tame) Oats Proso Millet	1 to 6 leaf stage on main stem	Prior to emergence of 4th tiller.
Green Foxtail Yellow Foxtail (wild millet, pigeon grass)	1 to 5 leaf stage on main stem	For optimum control apply prior to emergence of the 3 rd tiller and while foxtail is actively growing.
Barnyard Grass Persian Darnel	1 to 5 leaf stage on main stem	For optimum control apply before tillering, and while barnyard grass and Persian darnel are actively growing.
Cleavers	1-4 whorls	
Kochia	2-8 leaf	Including biotypes resistant to Group 2 and Group 9 herbicides
Round-leaved Mallow	1-6 leaf	
Volunteer Flax	1-12 cm	

WEEDS SUPPRESSED*	GROWTH STAGE	ADDITIONAL REMARKS
Chickweed	Up to 8 cm	Including biotypes resistant to Group 2 and Group 9 herbicides
Hempnettle	2-6 leaf	
Storks-bill	1-8 leaf	
Wild Buckwheat	1-4 leaf	

* Suppression is expressed as a reduction in weed competition (reduction population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

11.1.2 Tank Mixes with Broadleaf Weed Herbicides

For broad spectrum weed control of annual grasses and broadleaf weeds

TRAXOS III B Herbicide can be tank-mixed with broadleaf herbicides as described in the following table. Consult the label of the tank-mix partner for a list of broadleaf weeds controlled, rates, timing, re-cropping restrictions, grazing interval restrictions, recommendations for specific weeds, directions for use and precautions. When tank-mixing always add the broadleaf herbicide(s), insecticide or fungicide to the spray tank first; followed by TRAXOS III B Herbicide. For the appropriate rate of TRAXOS III B Herbicide, refer to the 'RATE OF USE AND TIMING OF APPLICATION' section of this label.

Tank-Mix Partner ¹	Product Rates
Buctril® M ^{1,3}	1.0 L/ha
Curtail® M Herbicide ^{1,4}	1.5 – 2.0 L/ha
MCPA Ester ¹	700 mL – 920 mL/ha ²
Infinity® Herbicide ³	830 mL/ha
¹ A reduction in barnyard grass control may be observed when TRAXOS III B Herbicide is tank mixed with these broadleaf herbicides.	
² This rate is for MCPA Ester 600 therefore rates must be adjusted accordingly for other concentrations.	
³ A reduction in green foxtail control may be observed when TRAXOS III B is tank mixed with these broadleaf herbicides.	
⁴ For spring and durum wheat only	

When tank-mixing, always add the broadleaf herbicide(s) to the spray tank first; followed by TRAXOS III B Herbicide.

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, TRAXOS III B Herbicide is a Group 1 and 4 herbicide. Any weed population may contain or develop plants naturally resistant to TRAXOS III B Herbicide and other Group 1 and 4 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 B Herbicide or other Group 1 and 4 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.

TRAXOS® is a trademark of a Syngenta Group Company.