

GROUP	<b>1</b>	HERBICIDE
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## TRAXOS® Two Grass Component

AGRICULTURAL

Emulsifiable Concentrate

**FOR SALE FOR USE IN THE PRAIRIE PROVINCES INTERIOR OF BRITISH COLUMBIA ONLY.**

A post emergence herbicide for control of wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian darnel, volunteer canary seed and proso millet in spring wheat and durum wheat.

**ACTIVE INGREDIENTS:**

Pinoxaden..... 25 g/L  
Clodinafop-propargyl..... 25 g/L

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

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

**WARNING – SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: **1 L - Bulk**

REGISTRATION NO.: **31674**  
PEST CONTROL PRODUCTS ACT

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

Label

## 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.

## FIRST AID

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## TOXICOLOGICAL INFORMATION

Treat symptomatically for ingestion and/or skin and eye contact. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## PRECAUTIONS

- KEEP OUT OF THE REACH OF CHILDREN.
- Causes skin irritation. DO NOT get on skin. Potential skin sensitizer. Do not use contact lenses when using.
- Avoid contact with clothing. Wear coveralls over long sleeved shirt and long pants, chemical resistant gloves, socks and chemical resistant footwear, goggles or face shield during mixing, loading, or during clean up and repair. Goggles or face shield and chemical resistant gloves are not required during application.
- Wash gloves thoroughly with soap and water before removing them during any operation.
- Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking.
- Remove contaminated clothing immediately after use. Store and wash contaminated

clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on this label.

- Do not eat, drink or smoke while mixing, loading or during application.
- DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/marine habitats.
- Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.
- 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 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.

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.

## **ENVIRONMENTAL HAZARDS**

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

This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms.

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.

Contaminations 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.

## **STORAGE**

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children 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.

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

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.

**CONTAINER DISPOSAL:****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.
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 use this container for any other purpose.

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

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Avoid application when heavy rain is forecast.

Contaminations 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.

## **STORAGE**

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children 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.

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

**PRODUCT INFORMATION**

Traxos<sup>®</sup>Two Grass Component is a systemic, post-emergence herbicide for the selective control of wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian dandelion, volunteer canary seed and proso millet in all types of spring wheat and durum wheat in the prairie provinces and the Interior of British Columbia. Do not use TraxosTwo Grass Component on crops other than spring wheat and durum, as crop injury will occur.

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

**DIRECTIONS FOR USE**

One application per year is permitted.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/marine habitats.



DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

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

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

#### **CROPS:**

Spring wheat  
Durum wheat

TraxosTwo Grass Component can be used on all varieties of spring wheat and durum wheat.

Do not apply on barley or any crop other than spring wheat or durum wheat, as crop damage will result. Do not allow spray to drift to adjacent fields seeded to crops other than spring wheat or durum wheat. Do not treat wheat under seeded to forage.

Observe minimum interval to harvest of 60 days after treatment for grain and straw and of 30 days after treatment for hay. Observe a minimum of seven (7) days before grazing livestock on crops treated with TraxosTwo Grass Component.

#### **Buffer zones:**

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, pastures, rangelands, and shrublands), 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 Habitats of Depths		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Spring Wheat and Durum Wheat		1	0	1
Aerial	Spring Wheat and Durum Wheat	Fixed or Rotary Wing	1	0	15

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

Clean and decontaminate protective clothing and application equipment regularly.

### ROTATIONAL CROP INFORMATION:

For fields treated with TraxosTwo Grass Component, no crop may be seeded until the following year. There are no crop rotation limitations the year following application of TraxosTwo Grass Component.

**WEEDS CONTROLLED:** wild oats, green foxtail, yellow foxtail, barnyard grass, Persian darnel, volunteer (tame) oats, volunteer canary seed and proso millet

### TIMING OF APPLICATION:

CROP / WEEDS	GROWTH STAGE	ADDITIONAL REMARKS
SPRING WHEAT AND DURUM WHEAT	Prior to emergence of 4th tiller	When tank-mixing with a broadleaf herbicide or a fungicide, always refer to the label of the broadleaf partner or fungicide partner prior to use.
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 AND YELLOW FOXTAIL (wild millet, pigeon grass)	1 to 5 leaf stage on main stem	For optimum control apply prior to emergence of the 3 <sup>rd</sup> 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.

- For optimum results, apply TraxosTwo Grass Component to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application of TraxosTwo Grass Component will not be controlled.
- Weed control following application of TraxosTwo Grass Component can be reduced or delayed under stress conditions such as drought, heat, insufficient fertility, flooding or prolonged cool temperatures. Grass escapes or re-tillering may occur if application is made during prolonged stress conditions. Optimum weed control will be obtained if application of TraxosTwo Grass Component is delayed until the stress conditions have ended and weeds are once again actively growing.
- TraxosTwo Grass Component alone can be used one hour before rainfall.
- Do not apply to crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease or insect damage as crop injury may result.

### RATE OF USE - FOR GROUND AND AERIAL APPLICATIONS:

Apply the recommended rate of TraxosTwo Grass Component in a minimum of 50 to 100 L of water per hectare for ground application and 30 L for aerial application. When tank-mixing TraxosTwo Grass Component with a tank mix partner, ensure you read the tank-mix partner for minimum water recommendations.

CROP	WEEDS CONTROLLED	USE RATE (L/ha)	WATER VOLUME GROUND APPLICATION (Litres per Hectare)	WATER VOLUME AERIAL APPLICATION (Litres per Hectare)
SPRING WHEAT AND DURUM WHEAT	WILD OATS GREEN and YELLOW FOXTAIL BARNYARD GRASS VOLUNTEER (tame) OATS VOLUNTEER CANARY SEED PERSIAN DARNEL PROSO MILLET	1.2 (0.5 L/acre)	50 -100	30

**NOTE:** TraxosTwo Grass Component **contains a built in adjuvant system. Do Not add any adjuvant to the TraxosTwo Grass Component.**

### TANK MIXES OF TRAXOSTWO GRASS COMPONENT WITH INSECTICIDES AND FUNGICIDES – GROUND APPLICATION:

**CROP:** SPRING and DURUM WHEAT

**For broad spectrum control of wild oats, green foxtail, barnyard grass, Persian Darnel, broadleaf weeds, insects and diseases,** TraxosTwo Grass Component can be tank-mixed with broadleaf herbicides, insecticides and fungicides. Consult the label of the tank-mix partner for a list of broadleaf weeds, insects or diseases controlled, rates, timing, recropping restrictions, grazing interval restrictions, recommendations for specific weeds/insects/diseases, directions for use and precautions and follow the more restrictive label. When tank-mixing always add the broadleaf herbicide(s), insecticide or fungicide to the spray tank first; followed by TraxosTwo Grass Component added last. For the appropriate rate of TraxosTwo Grass Component, refer to the 'Rate of Use' section of the label.

#### Tank mixes for broad spectrum control of wild oats, green foxtail, insects and diseases

Tank-Mix Partner	Product Rates	Crop Stage <sup>1</sup>
MATADOR® 120EC	63 - 83 mL/ha	Prior to emergence of 4 <sup>th</sup> tiller
TILT® 250E Fungicide	250 - 500 mL/ha	Prior to emergence of 4 <sup>th</sup> tiller

<sup>1</sup> Always consult the label of the insecticide or fungicide prior to use.

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 level or extreme temperatures.

Do not tank-mix with any chemical additives or fertilizers that are not recommended on this label.

### MIXING INSTRUCTIONS – GROUND APPLICATION:

1. Clean spray tank and half fill with clean water. Start agitation or bypass system.
2. If a broadleaf herbicide, insecticide or fungicide is to be used, add the product FIRST prior to adding TraxosTwo Grass Component and agitate for 2-3 minutes.
3. Add correct amount of TraxosTwo Grass Component.
4. Agitate for 3 – 5 minutes before adding remainder of water and then maintain constant agitation.
5. After any break in spraying operations, agitate thoroughly before spraying again.

6. **Use the spray suspension as soon as it is prepared.**

### **SPRAYING INSTRUCTIONS – GROUND APPLICATION:**

1. TraxosTwo Grass Component can be applied by ground or air. For aerial application instruction, refer to the section entitled “SPRAYING INSTRUCTIONS- AERIAL APPLICATION” which follows this section.
2. Water Volume: 50 to 100 litres per hectare when applied alone and a minimum of 100 L/ha when tank-mixed with broadleaf herbicides
3. Spray Nozzles: 80° or 110° flat fan stainless steel nozzles are recommended for optimal spray coverage. 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.
4. Pressure: 275-310 kPa.
5. 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.
6. Do not contaminate streams, rivers, lakes, ponds, wetlands, sloughs, irrigation water, vegetated ditch banks, and water used by livestock or for domestic purposes. Specific buffer zones should be observed.

### **AERIAL APPLICATION**

#### **Generic Aerial Application Label Instructions - Directions for Use**

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

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

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

#### **Use Precautions**

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

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a

nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

### Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

### Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-87-SYNGENTA (1-877-964-3682) or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

#### MIXING INSTRUCTIONS - AERIAL APPLICATION:

1. Fill the mixing tank 1/2 full with clean water. Start gentle agitation.
2. If a broadleaf herbicide is to be used, add the product **FIRST** prior to adding TraxosTwo Grass Component and agitate for 2-3 minutes.
3. Add correct amount of TraxosTwo Grass Component.
4. Agitate for 3 – 5 minutes before adding remainder of water and then maintain constant agitation.
5. Fill aircraft spray tank and maintain gentle agitation while spraying.
6. After any break in spraying operations, agitate thoroughly before spraying again. Do not let contents stand without agitation.
7. **Use the spray suspension as soon as it is prepared.**

#### SPRAYING INSTRUCTIONS - AERIAL APPLICATION:

1. TraxosTwo Grass Component can be applied by ground or by air. For ground application instructions, refer to the section entitled "SPRAYING INSTRUCTIONS - GROUND APPLICATION" which precedes this section.
2. Water Volume - Aerial application: Minimum of 30 litres per hectare when applied alone.
3. When applying by aircraft, applicators are required to use spray nozzles or nozzle configurations and spraying pressures which will provide a COARSE droplet size distribution, with a volume medium diameter (VMD) greater than 350 microns.
4. Aerial drift is increased under certain meteorological conditions. **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application.

5. For the protection of non-target habitats, overspray or drift to sensitive habitats must be avoided. A buffer zone of 15 metres is required between the downwind edge of the boom and sensitive terrestrial habitats including grasslands, forested areas, shelter belts, woodlots, hedgerows and shrub lands. A buffer zone of 1 metre is required between the downwind edge of the boom and sensitive aquatic habitats such as sloughs, ponds, prairie potholes, lakes, rivers, streams and irrigation ditches, and the vegetation surrounding wetlands. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.
6. When a tank mixture is used, consult the label of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.
7. Ensure uniform application. To avoid uneven or overlapped application, use appropriate marking devices. Do not use human flaggers.

### SPRAYER CLEAN-UP

- Prior to using TraxosTwo Grass Component, ensure that the spray tank, lines and filter are thoroughly clean.
- Thoroughly clean application equipment immediately after spraying TraxosTwo Grass Component. All traces of TraxosTwo Grass Component must be removed before equipment can be used on crops other than spring wheat and Durum to avoid subsequent injury to other crops.
- When using tank mixes, consult the tank-mix partner label for additional cleanup instructions.
- The following recommendations are provided:
  1. Drain any remaining spray mixture from the application equipment immediately after spraying.
  2. Hose down the interior surface of the tank while filling the tank  $\frac{1}{2}$  full of water.
  3. Add household ammonia (containing a minimum of 3% ammonia) at the rate of 1 gallon per 100 gallons of water. Re-circulate for 5 minutes and spray out part of this mixture for 5 minutes through the boom. Drain tank.
  4. Remove all spray nozzles and screens and wash separately with an ammonia solution.
  5. If the spray equipment will be used for pesticide application to a crop that is sensitive to TraxosTwo Grass Component, steps 1-4 should be repeated. Exterior surface of spray equipment should also be thoroughly cleaned.
  6. Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain the tank completely.
  7. **Do not** clean the sprayer near desirable vegetation, wells or other water sources.
  8. Dispose of all rinsings in accordance with provincial regulations.

### RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, TraxosTwo Grass Component is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to TraxosTwo Grass Component and other Group 1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

**To delay herbicide resistance:**

Where possible, rotate the use of TraxosTwo Grass Component or other Group 1 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.

Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

Herbicide use should be based on an 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 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).