

GROUP	1	HERBICIDE
-------	----------	-----------

TRAXOS® Herbicide

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 of wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian dandelion, volunteer canary seed and proso millet in spring wheat, winter 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 THIS BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**WARNING – SKIN IRRITANT
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: **1 L - Bulk**

REGISTRATION NO.: **29855**
PEST CONTROL PRODUCTS ACT

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

Label

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

2.0 FIRST AID

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

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. 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

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 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.

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.

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

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)

If mixing and loading more than 15 kg a.i. in a day, workers must use a closed mixing/loading system.

During mixing, loading, clean-up, repair and when applying by groundboom, workers must wear coveralls over long-sleeved shirt and long pants, shoes and socks, goggles, and chemical-resistant gloves. When applying by aerial application, pilots must wear long-sleeved shirt and long pants.

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. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Store and wash contaminated clothing separately from household laundry before reuse.

Handle and apply only as recommended on this label.

Do not eat, drink or smoke while mixing, loading or during application.

6.0 ENVIRONMENTAL PRECAUTIONS

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. The residues of this product demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of TRAXOS® Herbicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water 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 strip between the treated area and the edge of the water body.

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.

7.0 STORAGE

To prevent contamination, store this product away from food or feed.

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 regulatory agency. Contact the manufacturer and the provincial 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.
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)***

GROUP	1	HERBICIDE
-------	----------	-----------

TRAXOS® Herbicide

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 of wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian dandelion, volunteer canary seed and proso millet in spring wheat, winter 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 THIS BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**WARNING – SKIN IRRITANT
POTENTIAL SKIN SENSITIZER**

REGISTRATION NO.: **29855**
PEST CONTROL PRODUCTS ACT

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

Pamphlet

Table of Contents

	<u>Section Number</u>
NOTICE TO USER	1.0
FIRST AID	2.0
TOXICOLOGICAL INFORMATION	3.0
PRECAUTIONS.....	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE)	5.0
ENVIRONMENTAL PRECAUTIONS	6.0
STORAGE	7.0
DISPOSAL	8.0
PRODUCT INFORMATION	9.0
DIRECTIONS FOR USE	10.0
General Information	10.1
Ground Application	10.2
General Information.....	10.2.1
Mixing Instructions	10.2.2
Spraying Instructions	10.2.3
Equipment Clean-Up.....	10.2.4
Aerial Application	10.3
General Information.....	10.3.1
Use Precautions.....	10.3.2
Operator Precautions	10.3.3
Pilot Precautions.....	10.3.4
Product Specific Precautions	10.3.5
Mixing Instructions	10.3.6
Spraying Instructions	10.3.7
Equipment Clean-Up.....	10.3.8
Buffer Zones	10.4
Rotational Crop Information	10.5
CROP USE DIRECTIONS	11.0
Spring Wheat, Winter Wheat and Durum Wheat.....	11.1
RESISTANCE MANAGEMENT	12.0

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

2.0 FIRST AID

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

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. 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

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 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.

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.

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

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)

If mixing and loading more than 15 kg a.i. in a day, workers must use a closed mixing/loading system.

During mixing, loading, clean-up, repair and when applying by groundboom, workers must wear coveralls over long-sleeved shirt and long pants, shoes and socks, goggles, and chemical-resistant gloves. When applying by aerial application, pilots must wear long-sleeved shirt and long pants.

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. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Store and wash contaminated clothing separately from household laundry before reuse.

Handle and apply only as recommended on this label.

Do not eat, drink or smoke while mixing, loading or during application.

6.0 ENVIRONMENTAL PRECAUTIONS

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. The residues of this product demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of TRAXOS® Herbicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water 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 strip between the treated area and the edge of the water body.

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.

7.0 STORAGE

To prevent contamination, store this product away from food or feed.

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 regulatory agency. Contact the manufacturer and the provincial 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.
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)***

9.0 PRODUCT INFORMATION

TRAXOS® Herbicide 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, winter wheat and durum wheat in the prairie provinces, Eastern Canada and the Interior of British Columbia. Do not use TRAXOS Herbicide on crops other than spring wheat, winter wheat and durum wheat, as crop injury will occur.

TRAXOS Herbicide 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.

Although TRAXOS Herbicide does not control broadleaf weeds, TRAXOS Herbicide can be tank-mixed with a wide range of broadleaf herbicides to provide broad spectrum weed control in spring wheat, winter wheat and durum wheat. It can also be tank mixed with insecticides and fungicides to control grassy weeds, insects and cereal leaf diseases. See section entitled "TANK MIXES of TRAXOS HERBICIDE WITH BROADLEAF WEED HERBICIDES, INSECTICIDES AND FUNGICIDES" and refer to the appropriate Tank Mix section for ground and aerial application.

10.0 DIRECTIONS FOR USE

10.1 General Information

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.

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

10.2 Ground Application

10.2.1 General Information

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 S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Tank mixing: It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing TRAXOS using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-877-964-3682 or www.syngenta.ca for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Syngenta Canada Inc.

10.2.2 Mixing Instructions

1. Ensure that the sprayer interior is clean, then fill the spray tank with ½ 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 (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, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow TRAXOS residue to dry within the spray tank
- 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 the sprayer 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 regulations.

10.3 Aerial Application

10.3.1 General Information

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 and Biological Engineers (ASABE S572.1) coarse application. Reduce drift caused by turbulent wingtip vortices. The nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

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. When no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

10.3.2 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.

10.3.3 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.

All ground crew and the mixer/loaders must wear chemical resistant gloves and coveralls over long-sleeved shirt and long pants and chemical resistant footwear when mixing/loading, and during clean-up and repair activities.

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.

Tank mixing: It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing TRAXOS using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-877-964-3682 or www.syngenta.ca for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Syngenta Canada Inc.

10.3.4 Pilot Precautions

Read and understand the entire label before using this product. 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. Suggested conditions for good aerial application are moderate temperatures (less than 25 °C) and moderate relative humidity (greater than 40%). Light winds at altitude of 3-16 km/h are preferred, with 3-9 km/h considered optimal. Ensure uniform application and a uniform spray with minimum potential for drift. To avoid streaked, uneven or overlapped application, use appropriate marking technology. GPS based marking is preferred.

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 and Biological Engineers (ASABE S572.1) coarse classification. Reduce drift caused by turbulent wingtip vortices. The nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

10.3.5 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:

Volume: Apply the recommended rate in at least 30 litres of water per hectare.

Avoid spraying when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

DO NOT overspray non-target terrestrial or aquatic habitats. DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries or marine habitats. DO NOT contaminate

irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

10.3.6 Mixing Instructions

Mixing this product directly in the aircraft hopper **IS NOT** recommended. The use of chemical handling or managing equipment to load the hopper **IS** recommended. This product **MAY BE** inducted into a hopper which is prefilled with water or when the product and water are mixed prior to entering the hopper. This product **MAY BE** batch mixed and pumped into the hopper. In all cases the chemical handling equipment and hopper interior must be clean prior to use.

NOTE: WG and DF formulations are preferentially batch mixed.

NOTE: SC, SN, and SL formulations may be inducted or batch mixed.

NOTE: EC formulations are preferentially batch mixed.

It is **NOT** recommended to combine solid (WG or DF) formulations with liquid tank mix partners within a single batch. Batch mix WG or DF formulations first, pump into the hopper, and then add liquid tank mix partners by induction or as an additional batch mix. When tank mixing multiple products, follow the mixing order outlined below:

1. Pump water into the hopper to at least $\frac{1}{4}$ to $\frac{1}{2}$ of the desired spray volume. Engage hopper circulation, if possible.
2. Thoroughly batch mix any WG or DF formulation mix partners and agitate to ensure complete mixing. Pump into the hopper
3. Induct or thoroughly batch mix TRAXOS and any additional SE or SC formulations.
4. Thoroughly batch mix any EC formulation mix partners. EC formulations may be added to the batch from Step 3, if desired.
5. Induct or thoroughly batch mix any solution (SN or SL) formulation mix partners. SN/SL formulations may be added to the batch from Step 3, if desired.
6. Pump batch mixed SC, EC, and/or SN/SL products into the hopper.
7. Finish filling the hopper with water.
8. If it was not possible to engage hopper agitation in Step 1, do so as soon as possible once airborne.
9. Spray the pesticide suspension the same day as mixing.
10. Do not mix, load or clean equipment where there is a potential to contaminate wells or aquatic systems.

10.3.7 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 30 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Spray Nozzles: Use only ASABE coarse nozzles rated as delivering droplets of volume median diameter of 350 microns or greater.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASABE coarse sized droplets.
4. Ensure hopper agitation is engaged whenever possible during flight.

10.3.8 Equipment Clean-Up

Before Spraying:

- Prior to using TRAXOS, ensure that the hopper, chemical handling equipment, lines and

filter are thoroughly cleaned.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow TRAXOS residue 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 regulations.

10.4 Buffer Zones

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

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, 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, Winter Wheat and Durum Wheat		1	0	1
Aerial	Spring 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 (ASABE) category indicated on the labels for those tank mix partners.

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

10.5 Rotational Crop Information

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

11.0 CROP USE DIRECTIONS

11.1 Spring Wheat, Winter Wheat and Durum Wheat

TRAXOS Herbicide can be used on all varieties of spring wheat, winter wheat and durum wheat.

Do not apply on barley or any crop other than spring wheat, winter 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, winter wheat or durum wheat. Do not treat wheat under seeded to forage. A 30-day plant-back interval must be observed for all unlabelled crops.

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 TRAXOS Herbicide.

WEEDS CONTROLLED: wild oats, green foxtail, yellow foxtail, barnyard grass, Persian dandel, 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, an insecticide or a fungicide, always refer to the label of the broadleaf partner or fungicide partner prior to use.
WINTER WHEAT	In spring, prior to emergence of 4th tiller	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.
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 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 dandel are actively growing.

- For optimum results, apply TRAXOS Herbicide to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application of TRAXOS Herbicide will not be controlled.
- Weed control following application of TRAXOS Herbicide alone or in combination with broadleaf weed herbicides, 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 TRAXOS Herbicide is delayed until the stress conditions have ended and weeds are once again actively growing.
- TRAXOS Herbicide 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 TRAXOS Herbicide in a minimum of 50 to 100 L of water per hectare for ground application and 30 L for aerial application. When tank-mixing TRAXOS Herbicide 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, WINTER 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: TRAXOS Herbicide contains a built in adjuvant system. Do Not add any adjuvant to the TRAXOS Herbicide mixture.

TANK MIXES of TRAXOS HERBICIDE WITH BROADLEAF WEEDS HERBICIDES, INSECTICIDES AND FUNGICIDES – GROUND APPLICATION:

CROP: SPRING WHEAT, WINTER WHEAT and DURUM WHEAT

For broad spectrum control of wild oats, green foxtail, barnyard grass, Persian Darnel, broadleaf weeds, insects and diseases, TRAXOS Herbicide can be tank-mixed with broadleaf herbicides, insecticides and fungicides as described in the following tables. 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 TRAXOS Herbicide added last. For the appropriate rate of TRAXOS Herbicide, refer to the 'Rate of Use' section of the label.

Tank mixes for broad spectrum control of wild oats, green foxtail, broadleaf weeds, insects and diseases:

Crops and Tank-Mix Partner	Product Rates	Crop Stage ¹
Spring wheat and durum wheat		
Prestige™ Herbicide Tank Mix ^{3, 4}	600 - 800 mL/ha of Prestige A + 1.5 - 2.0 L/ha of Prestige B	3 leaf to flag leaf
Curtail® M Herbicide ⁴	1.5 - 2.0 L/ha	3 leaf to just before flag leaf
Benchmark™ A Herbicide + Benchmark B Herbicide ^{4, 5}	100 mL/ha of Benchmark A + 1.2 L/ha of Benchmark B	2 to 6 leaf
PULSAR™ Herbicide ³	0.607 - 0.917 L/ha	2 to 5 leaf
PULSAR Herbicide ³ + MCPA Ester ⁴ (600 series)	0.607 - 0.917 L/ha + 0.578 L/ha	2 to 5 leaf
Spring wheat, durum wheat and winter wheat		
Trophy® Herbicide Tank Mix ^{2, 4}	0.6 L/ha of Trophy A + 1.12 L/ha of Trophy B	3 leaf to flag leaf
Buctril® M ^{4, 5}	1.0 L/ha	2 leaf to flag leaf
Infinity® Herbicide ⁵	0.83 L/ha	1 to 5 leaf
MCPA Ester ⁴ (600 series)	700 mL to 920 mL/ha	3 leaf to flag leaf
Mextrol® 450 Liquid Herbicide ⁴	1.25 L/ha	2 leaf to flag leaf
MATADOR® 120EC	63 - 83 mL/ha	Prior to emergence of 4 th tiller
TILT® 250E Fungicide	250 - 500 mL/ha	Prior to emergence of 4 th tiller
¹ Always consult the label of the broadleaf herbicide, insecticide or fungicide prior to use.		
² Rates above 2.0 L/ha may cause crop injury.		
³ Refer to broadleaf tank-mix label for list of weeds controlled at low and high use rates.		
⁴ A reduction in barnyard grass control may be observed when TRAXOS Herbicide is tank mixed with these broadleaf herbicides.		
⁵ A reduction in green foxtail control may be observed when TRAXOS Herbicide is tank mixed with these broadleaf herbicides.		

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.

TANK MIXES OF TRAXOS HERBICIDE WITH BROADLEAF WEED HERBICIDES - AERIAL APPLICATION:

CROP: SPRING WHEAT, WINTER WHEAT and DURUM WHEAT

For broad spectrum control of wild oats, green foxtail, broadleaf weeds, TRAXOS Herbicide can be tank-mixed with Buctril M. 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 and follow the more restrictive label. Use in a minimum of 30 L of water per hectare.

Tank-mixes of TRAXOS Herbicide with broadleaf weed herbicides - Aerial application:

When tank-mixing always add the broadleaf herbicide (Buctril M), to the spray tank first; followed by TRAXOS Herbicide last. For the appropriate rate of TRAXOS Herbicide refer to the "Rate of Use" section of the label.

Tank-Mix Partner	Product Rates	Crop Stage ¹
Buctril M	1.0 L/ha	2 leaf to flag leaf

¹ Always consult the label of the tank mix partner 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.

12.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, TRAXOS Herbicide is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to TRAXOS Herbicide 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 TRAXOS Herbicide 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.

MATADOR[®], PULSAR[™], TILT[®], and TRAXOS[®] are trademarks of a Syngenta Group Company.
Benchmark[™], Buctril[®], Curtail[®], Infinity[®], Mextrol[®], Prestige[™] and Trophy[®] are trademarks of their respective companies.