



Traxos[®]Two is a combination of separately registered products comprised of TraxosTwo Broadleaf Component and TraxosTwo Grass Component.

Traxos[®] and the Syngenta wordmark are trademarks of a Syngenta Group Company.

GROUP	4	HERBICIDE
--------------	----------	------------------

Traxos[®] Two Broadleaf Component

Emulsifiable Concentrate Herbicide

AGRICULTURAL

Traxos[®] Two Broadleaf Component provides postemergence control of a broad spectrum of broadleaf weeds including cleavers, kochia and wild buckwheat in spring wheat and durum wheat.

ACTIVE INGREDIENTS:

Fluroxypyr, present as 1-methylheptyl ester..... 90 g a.e./L

2,4-D, present as 2-ethylhexyl ester..... 360 g a.e./L

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

CAUTION



POISON

SKIN IRRITANT

REGISTRATION NO.: **31673**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to Bulk**

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

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

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. 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. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

4.0 PRECAUTIONS

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.

KEEP OUT OF REACH OF CHILDREN.

May irritate the skin. Avoid contact with skin. Avoid breathing spray mist.

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

Do not use in residential areas. Residential areas are defined as any use site where bystanders

including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public including children could be exposed.

Apply only when potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversion, 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 PROTECTIVE CLOTHING AND EQUIPMENT

When mixing/loading, or during clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, protective eyewear (face shield or safety glasses), socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

When applying, wear coveralls over a long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Gloves are not required during application when the applicator is in an enclosed tractor.

5.1. Operator Use Precautions

Wear freshly laundered clothing and clean protective equipment daily.

Rinse gloves before removal.

Wash hands with soap and water before eating, drinking, using tobacco or using the toilet.

If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

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 immediately using soap and water.

6.0 ENVIRONMENTAL PRECAUTIONS

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

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.

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

PHYSICAL OR CHEMICAL HAZARDS. COMBUSTIBLE. Do not use or store near heat or open flame.

AGRICULTURAL CHEMICAL. Do not ship or store with food, feeds, drugs or clothing.

6.1. Leaching

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

7.0 STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. To prevent contamination, store this product away from food or feed. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

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.

Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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

Traxos® is a trademark of a Syngenta Group Company.

GROUP	4	HERBICIDE
--------------	----------	------------------

Traxos® Two Broadleaf Component

Emulsifiable Concentrate Herbicide

AGRICULTURAL

Traxos® Two Broadleaf Component provides postemergence control of a broad spectrum of broadleaf weeds including cleavers, kochia and wild buckwheat in spring wheat and durum wheat.

ACTIVE INGREDIENTS:

Fluroxypyr, present as 1-methylheptyl ester..... 90 g a.e./L
2,4-D, present as 2-ethylhexyl ester..... 360 g a.e./L

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

CAUTION



POISON

SKIN IRRITANT

REGISTRATION NO.: **31673**
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
PROTECTIVE CLOTHING AND EQUIPMENT	5.0
Operator Use Precautions	5.1
ENVIRONMENTAL PRECAUTIONS	6.0
Leaching	6.1
STORAGE	7.0
DISPOSAL	8.0
GENERAL INFORMATION	9.0
General Use Precautions	9.1
Equipment Clean-Up	9.2
Buffer Zones	9.3
Sensitive Plants	9.4
Crop Rotations	9.5
Pre-Harvest/Grazing Intervals.....	9.6
Tank Mixtures	9.7
DIRECTIONS FOR USE	10.0
Field Sprayer Application	10.1
Aerial Application	10.2
TraxosTwo Broadleaf Component ALONE	10.3
Timing of Application.....	10.4
Crops Registered.....	10.5
Weeds Controlled.....	10.6
Weeds Suppressed	10.7
APPLICATION DIRECTIONS (GROUND AND AERIAL APPLICATIONS).....	11.0
Ground Application	11.1
Aerial Applicaton	11.2
Use Precautions.....	11.3
Operator Precautions	11.4
Product Specific Precautions	11.5
TANK-MIX OF TRAXOSTWO BROADLEAF COMPONENT WITH 2,4-D ESTER	12.0
Weeds Controlled	12.1
Weeds Suppressed	12.2
Mixing Instructions.....	12.3
RESISTANCE MANAGEMENT	13.0

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

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

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. 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. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

4.0 PRECAUTIONS

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.

KEEP OUT OF REACH OF CHILDREN.

May irritate the skin. Avoid contact with skin. Avoid breathing spray mist.

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

Do not use in residential areas. Residential areas are defined as any use site where bystanders including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public including children could be exposed.

Apply only when potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversion, 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 PROTECTIVE CLOTHING AND EQUIPMENT

When mixing/loading, or during clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, protective eyewear (face shield or safety glasses), socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

When applying, wear coveralls over a long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Gloves are not required during application when the applicator is in an enclosed tractor.

5.1. Operator Use Precautions

Wear freshly laundered clothing and clean protective equipment daily.

Rinse gloves before removal.

Wash hands with soap and water before eating, drinking, using tobacco or using the toilet.

If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

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 immediately using soap and water.

6.0 ENVIRONMENTAL PRECAUTIONS

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

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.

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

PHYSICAL OR CHEMICAL HAZARDS. COMBUSTIBLE. Do not use or store near heat or open flame.

AGRICULTURAL CHEMICAL. Do not ship or store with food, feeds, drugs or clothing.

6.1. Leaching

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

7.0 STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. To prevent contamination, store this product away from food or feed. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

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.

Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned

to the point of purchase (distributor/dealer).

Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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

9.0 GENERAL INFORMATION

TraxosTwo Broadleaf Component is a selective postemergence herbicide for the control of broadleaf weeds in spring wheat and durum wheat (not underseeded to legumes). TraxosTwo Broadleaf Component provides control of hard-to-kill annual broadleaf weeds such as cleavers, wild buckwheat and kochia (including populations resistant to Group 2 herbicides). The components of TraxosTwo Broadleaf Component move within the plant to control exposed and underground plant tissues. It mimics naturally occurring plant hormones which control weeds by disrupting normal plant growth patterns. Symptoms of effect include epinasty (twisting of the stems) and swollen nodes.

9.1. General Use Precautions

READ THE ENTIRE LABEL BEFORE USE. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. DO NOT APPLY TO CROPS UNDERSEEDED WITH LEGUMES.

To minimize spray drift to non-target areas:

1. Minimize drift by using sufficient spray volume to ensure coverage with ASAE coarse droplet size spray.
2. Keep ground-driven spray booms as low as possible and not exceeding 60 cm above the target surface.
3. Spray when wind is less than 8 km/hr.
4. Do not spray in dead calm near sensitive plants. The "cloud" of suspended droplets may drift onto sensitive plants when the wind comes up. Spray only when wind is blowing away from a sensitive crop, shelterbelt or garden.

Extreme growing conditions such as drought or near freezing temperatures prior to, at and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth.

Wet foliage at the time of application may result in reduced weed control.

Over-application may result in crop injury.

Make only 1 application per year.

Do not apply through any type of irrigation system.

9.2. Equipment Clean-Up

Equipment used to apply TraxosTwo Broadleaf Component should not be used to apply other pesticides to sensitive crops without thorough cleaning. To avoid subsequent injury to crops other than cereals, all spraying equipment must be thoroughly cleaned both inside and out, as follows:

1. Immediately after spraying, drain. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
3. Add 1 L of household ammonia (containing a minimum of 3 % ammonia) per 100 L of water while filling the tank with clean water. Agitate and then briefly flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Flush the boom and hoses and drain tank completely.
4. Remove nozzles and screens and clean separately with an ammonia solution (100 mL in 10 L water).
5. Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely.

Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.

Caution: Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

9.3. 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, 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		Buffer Zones (metres) Required for the Protection of:				Terrestrial habitat
			Freshwater Habitat of Depths:		Estuarine/marine Habitat of Depths:		
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	spring wheat and durum wheat (TraxosTwo Broadleaf Component alone or with tank-mix with 140 g a.e./ha 2,4-D ester herbicide)		1	0	1	1	3
Aerial	spring wheat and durum wheat (TraxosTwo Broadleaf Component alone)	Fixed Wing	5	0	1	1	95
		Rotary Wing	5	0	1	1	95
	spring wheat and durum wheat (TraxosTwo Broadleaf Component with tank-mix with 140 g a.e./ha 2,4-D ester herbicide)	Fixed Wing	3	0	1	1	80
		Rotary Wing	3	0	1	1	80

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.

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

9.4. Sensitive Plants

Do not apply TraxosTwo Broadleaf Component directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, canola, flowers and ornamentals, lentil, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

9.5. Crop Rotations

Fields previously treated with TraxosTwo Broadleaf Component can be seeded the following year to alfalfa, barley, canola, corn, dry beans, flax, forage grasses, lentils, mustard, oats, peas, potatoes, rye, soybeans, sugar beets, sunflowers and wheat or fields can be summerfallowed.

9.6. Pre-Harvest/Grazing Intervals

- Do not permit lactating dairy animals to graze fields within 7 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.

- Do not harvest the treated mature crop within 60 days after application.

9.7. Tank Mixtures

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 1-87-SYNGENTA (1-877-964-3682) 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.

10.0 DIRECTIONS FOR USE

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.

10.1. 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.

10.2. 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 S572.1) 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.

10.3. TraxosTwo Broadleaf Component ALONE

Apply TraxosTwo Broadleaf Component in a uniform spray with ground or aerial application equipment (see Application Directions sections) containing 1.1 L/ha of TraxosTwo Broadleaf Component.

10.4. Timing of Application

Apply postemergence when weeds are in the seedling stage (2-4 leaf, unless otherwise noted), and actively growing, and when spring wheat and durum wheat are in the 4-leaf to flag-leaf stage. Application before the 4-leaf stage of wheat may cause severe twisting of leaves and leaf, stem and head deformities which may reduce yield up to 10%. Do not apply later than the flag-leaf stage. Maximum 1 application per year.

10.5. Crops Registered

Spring wheat
Durum wheat

10.6. Weeds Controlled

bluebur	hoary cress*	stinkweed
burdock	kochia**	sunflower (annual)
canola (volunteer)	lamb's-quarters	vetch
cleavers (1-8 whorls)	mustards (except green tansy, dog & grey tansy)	wild buckwheat (1-6 leaf)
clovers (sweet)	plantain	wild radish
cocklebur	prickly lettuce	volunteer flax (1-12 cm)
flixweed	ragweed	
field horsetail*	round-leaved mallow (1-6 Leaf)	
goat's-beard	shepherd's-purse	
hemp-nettle (2-6 leaf stage)	stork's-bill (1-8 leaf)	

10.7. Weeds Suppressed

common chickweed** (up to 8 cm) redroot pigweed sow-thistle (perennial) *

* Top growth control only.

** Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

NOTE: TraxosTwo Broadleaf Component activity is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

11.0 APPLICATION DIRECTIONS (GROUND AND AERIAL APPLICATIONS)

11.1. Ground Application

Using ground equipment, apply TraxosTwo Broadleaf Component alone or with tank mix partners as a broadcast treatment. Apply TraxosTwo Broadleaf Component alone at the recommended rates in a spray volume of 30-100 L water/ha. When tank mixing refer to the label of the tank mix partner label for additional instructions, water volumes, precautions and weeds controlled.

11.2. Aerial Application

Do not use human flaggers.

Use TraxosTwo Broadleaf Component alone or tank mixed with a product registered for aerial application as a broadcast treatment. Apply in a spray volume of 30-50 L water/ha. Refer to the tank mix partner label for additional instructions, precautions and weeds controlled.

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 swath marking devices.

11.2.1. Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even 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.

11.2.2. 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 should be laundered regularly.

11.2.3. Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call Syngenta Canada Inc. at 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:

- The interaction of many equipment-and-weather-related factors determine the potential for spray drift. Users are responsible for considering all these factors when making decisions.
- The following drift management requirement must be followed to avoid off-target drift movement from aerial applications: Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

12.0 TANK-MIX OF TRAXOSTWO BROADLEAF COMPONENT WITH 2,4-D ESTER HERBICIDE

To control or suppress the following additional weeds apply a uniform spray containing 1.1 L/ha of TraxosTwo Broadleaf Component and 140 g a.e./ha of 2,4-D ester herbicide (equivalent to 0.2 L/ha of 2,4-D LV 700) in a total spray volume of 50-100 L water/ha for ground application and in a total spray volume of 30-50 L water/ha for aerial application.

12.1. Additional Weeds Controlled

blue lettuce*	hairy galinsoga	Russian thistle
dandelion**	hedge bindweed	smartweed
docks	lady's-thumb	tansy mustard
dog mustard	leafy spurge*	tartary buckwheat
field bindweed*	oak-leaved goosefoot	wild buckwheat (1-8 leaf)
field peppergrass	redroot pigweed	
gumweed		

12.2. Additional Weeds Suppressed

common chickweed*** (up to 8 cm) sow-thistle (perennial) *

Canada thistle* sow-thistle (annual)

* Top growth control only.

** Spring rosettes.

*** Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

12.3. Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required number of jugs of TraxosTwo Broadleaf Component.
4. If required, add the required number of jugs of 2,4-D ester herbicide.
5. Complete filling the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
7. Follow sprayer clean-up directions as listed.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, TraxosTwo Broadleaf Component is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to TraxosTwo Broadleaf Component and other Group 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 TraxosTwo Broadleaf Component or other Group 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 or to report suspected resistance, contact company representatives at 1-877-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

Traxos® is a trademark of a Syngenta Group Company.

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

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

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® Two Grass Component 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®Two Grass Component

AGRICULTURAL

Emulsifiable Concentrate

FOR SALE FOR USE IN THE PRAIRIE PROVINCES 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 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**

REGISTRATION NO.: **31674**
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 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[®] Two Grass Component 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

TraxosTwo 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.

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

10.2.2. Mixing Instructions

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.**

10.2.3. Spraying Instructions

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.

10.2.4. Equipment Clean-Up

Before Spraying:

- Prior to using TraxosTwo Grass Component, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow TraxosTwo Grass Component 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) 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.

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.

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.

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.

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

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.**

10.3.7. Spraying Instructions

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.

10.3.8. Equipment 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 ½ 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.

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 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 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.

11.0 CROP USE DIRECTIONS

11.1. Spring Wheat and 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. 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 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 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.

- 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 ¹
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 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.

12.0 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 1-877-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.