

2024-01-04
2023-1107
(Container)



Tridem™ A Herbicide

GROUP	2	HERBICIDE
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For postemergent control of wild oats and Japanese brome.

COMMERCIAL (AGRICULTURAL)

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

ACTIVE INGREDIENT: pyroxsulam 21.5%
Wettable granules

REGISTRATION NO. 33290 PEST CONTROL PRODUCTS ACT

CAUTION: EYE IRRITANT

NET CONTENTS: 0.5 kg - bulk

Corteva Agriscience Canada Company
Suite 240, 115 Quarry Park Rd. SE
Calgary, AB
T2C 5G9
1-800-667-3852

™Trademark of Corteva Agriscience and its affiliated companies.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

May irritate eyes. Avoid contact with eyes.

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

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean up and repair. In addition, wear protective eyewear (goggles or faceshield) during mixing and loading. Gloves and coveralls are not required during application within a closed cab or cockpit

Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity, such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

At completion of spraying or end of the day: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

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. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

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

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

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray 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 filter strip between the treated area and the edge of the water body. This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

STORAGE

Keep in original container during storage. Store product in cool, dry, well ventilated place away from seed, feed, fertilizer, or other pesticides. Keep away from fire or open flame, or other source of heat. To prevent contamination, store this product away from food or feed.

DISPOSAL

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/territorial requirements.

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.

Returnable Containers

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For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

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.

(Booklet)



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GENERAL INFORMATION

Tridem™ A Herbicide is a selective postemergence herbicide for the control of wild oats and certain broadleaved weeds in spring wheat, durum wheat and winter wheat not underseeded with legumes. Tridem A Herbicide is mixed with water and applied as a uniform broadcast spray. It is non-corrosive, nonflammable, and nonvolatile.

Tridem A Herbicide must be applied early postemergence, to the main flush of actively growing wild oats and broadleaved weeds. Conditions favouring active weed growth enhance the activity of Tridem A Herbicide by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and re-growth may occur. For best results, ensure thorough spray coverage of target weeds. See "DIRECTIONS FOR USE" section of this label for complete use details.

Tridem A Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

MODE OF ACTION

Tridem A Herbicide inhibits the production of the ALS enzyme in plants. This enzyme is essential for the production of certain amino acids which are essential for plant growth. Tridem A Herbicide is a Group 2 mode of action herbicide.

GENERAL USE PRECAUTIONS

Non-Target Sites

Do not apply where proximity of susceptible crops (e.g. canola and legumes) or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Precautions section of the label.

Crop Rotation

Fields previously treated with Tridem A Herbicide can be seeded 11 months following an application of Tridem A Herbicide, with the following crops: barley, brown mustard, canola, dry bean (of the species

Phaseolus vulgaris), flax, canola quality Brassica juncea, lentils, oats, field peas, chickpea, spring wheat, soybean and yellow mustard or fields can be summerfallowed. Fields previously treated with Tridem A Herbicide can be seeded 10 months following an application of Tridem A Herbicide with the following crops: field corn, sunflower and potatoes.

Tank Mixtures

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or www.corteva.ca for information before applying any tank mix that is not specifically recommended on this label.

Spray Equipment Precaution

Do not apply through any type of irrigation system.

Sprayer Clean-Out Instructions

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. First rinse:
 - Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
 - Agitate and circulate for 15 minutes, and flush through booms and hoses.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.
3. Second rinse:
 - Fill the tank with clean water.
 - Add All Clear Spray Tank Decontaminator as per manufacturer's recommendations while filling the tank with clean water.
 - Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
 - After flushing the boom and hoses, drain tank completely.
 - Remove nozzles and screens and clean separately with a cleaning agent or an ammonia solution (100 mL in 10 L water).
4. Third rinse:
 - Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.

DIRECTIONS FOR USE

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.

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.

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.

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. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

TRIDEM A HERBICIDE ALONE

Application Directions - Spring Wheat, Durum Wheat, and Winter Wheat

Apply Tridem A Herbicide at a rate of 52 g per hectare for control of low wild oat populations (<75 plants/m²) and control of Japanese brome^{††}. Always add a non-ionic surfactant (Agral 90, Ag-Surf or Surf 92) at 0.25 v/v (0.25 L per 100 L of spray solution) when applying Tridem A Herbicide alone. Apply using aerial equipment or ground equipment that will assure uniform coverage. See table below for weeds species controlled. Tridem A Herbicide will control only emerged weeds. Weeds that germinate after application will not be controlled.

^{††} For control of Japanese brome from the 1 leaf to 4 leaf, 2 tiller stage under good growing conditions

Application Timing (Spring and Durum Wheat)

Apply to actively growing wheat from the 3-leaf stage to before the flag leaf stage. Apply when wild oats are actively growing at up to the 4 leaf, 2 tiller stage with population less than 75 plants/m² and when Japanese brome is at the 1- to 4-leaf, 2 tiller stage under good growing conditions. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Under conditions of low crop and high weed density, control may be reduced.

Application Timing (Winter Wheat)

Apply in the fall when winter wheat is in the 1-3 leaf stage or in the spring when winter wheat is in the 2-7 leaf, 4 tiller stage. For spring applications, apply when weeds are actively growing at the stages indicated. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Under conditions of low crop and high weed density, control may be reduced.

Occasionally slight yellowing or height reduction may be observed in the treated crop. These transient symptoms disappear within 14 days with no reduction to yield. Do not apply to crops suffering from drought, nutrient deficiency or exposed to frost or other agronomic factors affecting plant growth.

If foliage is wet at the time of application control may be decreased. Applications of Tridem A Herbicide are rainfast within 2 hours after application.

Pre-harvest/Grazing Intervals

Livestock may be grazed on treated crops 7 days following application. Do not harvest the treated crop within 60 days after application.

TANK MIX COMBINATIONS

Tridem A Herbicide can be tank mixed with herbicides and/or fungicides as indicated in the table below.

For application of Tridem A Herbicide in tank mixtures, only add surfactant where the label of the tank mix partner product indicates its use is required, in accordance with that label.

Weeds Controlled or suppressed by Tridem A Herbicide at 52 g/ha + Tridem B Herbicide at 1 L/ha

Weeds Controlled

- | | |
|--------------------------------|--------------------|
| cleavers*** | stinkweed |
| common chickweed | volunteer canola** |
| cow cockle | volunteer flax |
| Japanese brome (1-4 leaf) **** | wild buckwheat |
| kochia* | wild mustard |
| shepherds-purse | wild oats**** |
| smartweed | |

- ♦ including ALS resistant biotypes
- ** including herbicide tolerant canola varieties except Clearfield canola
- *** including Group 2 resistant biotypes
- **** for low wild oat populations (<75 plants/m²)
- ***** for control of Japanese brome from the 1 leaf to 4 leaf, 2 tiller stage under good growing conditions

Weeds Suppressed

- | | |
|--------------------------|----------------------------|
| hemp-nettle | sowthistle, annual |
| narrow-leaved hawksbeard | sowthistle, perennial***** |
| redroot pigweed | |

***** applications made at advanced leaf stages will reduce product effectiveness

Tank Mix Combinations Tridem A Herbicide at 52 g/ha + Tridem B Herbicide at 1 L/ha

Herbicide Tank Mix Partner	Rate (Product/ha)	Additional Weeds Controlled or Suppressed (S) Include
MCPA Ester 600†	460 mL/ha (280 g a.e./ha) 580-900 mL/ha (350-540 g a.e./ha)	Volunteer canola (1-6 leaf stage)* Lamb's-quarters (1-6 leaf stage) *Including imidazolinone tolerant volunteer canola Burdock (before the 4-leaf stage) Cocklebur Plantain Flixweed‡ Lamb's-quarters Mustards (except Dog and Tansy) Prickly lettuce

	580 mL/ha (350 g a.e./ha)	Ragweeds Russian thistle† Shepherd's-purse† Stinkweed Vetch Wild radish Wild (annual) sunflower †Use the higher rate in the rate range
	700 mL/ha (420 g a.e./ha)	Ball mustard Canada thistle (suppression)
	425 mL/ha (280 g a.e./ha)	Canada thistle
2,4-D Ester 700	425 mL/ha (280 g a.e./ha)	Volunteer canola (1-6 leaf stage)* Lamb's-quarters (1-6 leaf stage) *Including imidazolinone tolerant volunteer canola
	500-800 mL/ha (330-528 g a.e./ha)	Annual sow-thistle Bluebur (before the 4-leaf stage) Burdock (before the 4-leaf stage) Cocklebur Daisy fleabane False flax False ragweed Flixweed Giant ragweed Goat's beard Kochia Lamb's-quarters Mustards (except Dog and Tansy) Narrow-leaved hawk's-beard (in fall, and at the 1- to 2-leaf stage in spring) Plantain Prickly lettuce Ragweed Redroot pigweed Russian pigweed Russian-thistle Shepherd's-purse Stinging nettle Stinkweed Sweet Clover (seedling) Thyme-leaved spurge Volunteer canola (all types, 1- to 4-leaf) Wild radish Wild (prairie) sunflower.
	600 mL/ha (396 g a.e./ha)	Round-leaved mallow (1-6 leaf) Common chickweed (suppression) Stork's-bill (1-8 leaf)

Fungicide Tank Mix Partner	Rate (Product/ha)	Pests Controlled
Tilt 250 E or Stratego 250 EC	Consult fungicide tank-mix partner label for fungicide rates	Consult fungicide tank-mix partner label for diseases controlled

Mixing Instructions (Tridem A Herbicide tank mixed with other products)

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of Tridem A Herbicide
4. Add the correct amount of tank-mix partner and continue to agitate.
5. Fill the sprayer tank with the remaining amount of water required.

Notes: Follow tank-mix partner label for order of mixing.

APPLICATION INSTRUCTIONS (GROUND AND AERIAL APPLICATIONS)

(1) Ground Application (Tridem A Herbicide applied alone and with all tank mix partners)

Using ground equipment, apply Tridem A Herbicide alone or with tank mix partners as a broadcast treatment. Apply Tridem A Herbicide alone at the recommended rates in a spray volume of 30-100 L water / ha.

**(2) Aerial Application
Directions for Use**

Do not use human flaggers.

Use Tridem A Herbicide tank mixed with Tridem B Herbicide and either MCPA ester or 2,4-D Ester as a broadcast treatment by air at the rates indicated above. Apply in a minimum spray volume of 30 L water/ha. .

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.

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.

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.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3852 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.

SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:	
			Freshwater Habitat	Terrestrial Habitat
Field sprayer	Spring wheat, durum wheat, winter wheat		1	2
Aerial	Spring wheat, durum wheat, winter wheat	Fixed wing	1	70
		Rotary wing	1	60

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

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

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Tridem A Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to Tridem A Herbicide and other Group 2 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 Tridem A Herbicide or other Group 2 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 Corteva Agriscience Canada Company at 1-800-667-3852 or at www.corteva.ca.

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