(Container)

Metribuzin Mx 75 DF Herbicide

GROUP 5 HERBICIDE

Wettable granules

For control of certain grasses and broadleaf weeds

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Metribuzin 75%

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

CAUTION **POISON**

REGISTRATION NO.33846 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 220 g – 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.

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

FIRST AID
IN CASE OF POISONING Contact a physician or a poison control centre **IMMEDIATELY.**
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/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 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.
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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION
TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.
SYMPTOMS OF POISONING: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

PRECAUTIONS
- **KEEP OUT OF REACH OF CHILDREN.**
- Harmful if swallowed, inhaled or absorbed through skin.
- Avoid contact with skin, eyes, or clothing.
- Avoid breathing dust or spray mist.
- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wash contaminated clothing with soap and hot water before re-use.
- Wash skin thoroughly with soap and warm water after handling.
- Read and follow label instructions and directives.
- DO NOT apply by air.

ENVIRONMENTAL PRECAUTIONS: Observe spray buffer zones specified under DIRECTIONS FOR USE.

STORAGE
Store this product away from food or feed. Keep container tightly closed when not in use. Store in a cool, dry place.

DISPOSAL
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.

For Recyclable Container
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.

(Booklet)

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PRECAUTIONS
- **KEEP OUT OF REACH OF CHILDREN.**
- Harmful if swallowed, inhaled or absorbed through skin.
- Avoid contact with skin, eyes, or clothing.
- Avoid breathing dust or spray mist.
- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wash contaminated clothing with soap and hot water before re-use.
- Wash skin thoroughly with soap and warm water after handling.
- Read and follow label instructions and directives.

Applicators and other handlers must wear during mixing/loading, clean-up and repair activities:
- Long-sleeved shirt and long pants;
- Chemical-resistant gloves;
- Goggles or face shield;
- Shoes plus socks.

NOTE:
- Users should remove personal protective equipment immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE) or use detergent and hot water. Keep and wash PPE separately from other laundry.

STORAGE
Store this product away from food or feed. Keep container tightly closed when not in use. Store in a cool, dry place.

DISPOSAL
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.

For Recyclable Container
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.

ENVIRONMENTAL PRECAUTIONS
- Observe spray buffer zones specified under DIRECTIONS FOR USE.
- Do not apply when weather conditions favour drift from areas treated. Do not allow sprays to drift on to adjacent desirable plants.
- Do not contaminate water when disposing of equipment wash waters.
- Do not apply directly to water, or to areas where surface water is present.
- This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
- Following application and during rainfall events that cause runoff, these chemicals may reach surface water bodies including streams and reservoirs.
- 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 of this product 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.

SPRAYER CLEANUP
Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops. Drain any remaining spray solution of Metribuzin Mx 75 DF Herbicide from the spray tank and discard in non-crop areas away from water supplies. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of 250 mL/100 L of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes, and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of the spray tank, nozzles or spray rig.

DIRECTIONS FOR USE

- Do not use treated vines or crops for food, feed, or forage unless they are specified on this label. Use only according to label direction.
- Do not exceed rates recommended on this label. Uneven application such as swath overlapping, variable tractor speed, spraying on turns, etc., may result in crop injury and increase chances of injury to succeeding crops.
- After harvest, tillage practices that provide thorough mixing of the soil may be helpful in reducing the chance of injury to succeeding crops.
- This product is not to be used in combination with any other product except as specifically recommended on this label.
- 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.

MIXING AND SPRAYING INSTRUCTIONS

- It is essential that the sprayer be properly calibrated before making application.
- Spray Pressure – 150 to 275 kPa
- Spray Volume – refer to appropriate crop section for water volume.
- Use screens no finer than 0.3 mm (50 mesh) in nozzle and in-line strainers (felt filters, or smaller screens will become clogged). A 16 mesh screen is recommended for the filter on the inlet side of the pump.
- Nozzle tips should be no finer than 6502, 8002 or TK 2.
- Do not use airblast or other high pressure spray equipment to apply Metribuzin Mx 75 DF Herbicide.
- VIGOROUS, CONTINUOUS AGITATION IS ESSENTIAL FOR PROPER MIXING THROUGHOUT FILLING AND SPRAYING OPERATIONS. Return line agitation is not sufficient. Sparge tube, jet or mechanical agitation is required. Agitation should be sufficient to create a rippling or rolling action on the surface. A pump must be of sufficient capacity to provide adequate volume through the by-pass and/or jet agitation system to provide sufficient agitation even while the booms are operating.
- The sprayer should be checked frequently during application to be sure it is working properly and delivering a uniform spray pattern.
- Avoid over-laps that will increase dosages above those recommended.

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.

Before mixing Metribuzin Mx 75 DF Herbicide and its labeled tank-mixtures, examine the spray equipment making sure it is completely clean and free of rust or corrosion. To ensure the equipment is free of any residues from previously used pesticides, flush lines with clean water or recommended detergents. Use an approved method for disposing of rinse water.

Refer to the other product label for pertinent recommendations regarding mixing procedures. The proper mixing sequence for Metribuzin Mx 75 DF Herbicide and recommended tank-mixtures is as follows:

1. Fill the spray tank or nurse tank 1/4 full with water.
2. Start recirculation and agitation system and continue throughout mixing and application.
3. Add recommended amount of Metribuzin Mx 75 DF Herbicide.
4. If tank-mixing with wettable powders or other dry flowable products refer to these product labels for specific mixing instructions.
5. Fill the spray tank with water to the desired level.
6. If tank-mixing with emulsifiable concentrates or soluble products, add these products near end of filling the spray tank.
7. Continue agitation during transport and application until the spray tank is empty.

Metribuzin Mx 75 DF Herbicide and all registered mixtures should be kept agitated once mixed and then sprayed out immediately. Do not allow mixtures to stand for prolonged periods of time. Water quality, pH, temperature and/or other components of the mixture may affect how long the mixture can stand before application.

NOTE: If spraying and agitation is stopped before the spray tank is empty, the suspended material will settle to the bottom of the tank. When spraying must be interrupted, it is recommended to maintain agitation until spraying resumes. If agitation must be stopped before the spray tank is empty, follow these steps to resume spraying:

1. Remove main filter.
2. Mechanically mix spray solution (i.e., paddle) prior to restarting pump. Ensure that loose sediment is moved out to the sump area.
3. Start agitation on full.
4. Paddle corners of the tank.
5. Reinstall main filter.

At the end of each spray day, rinse out the tank and sprayer lines with water.

RE-ENTRY INTERVAL

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil injected or soil-incorporated, workers may enter the treated area if there will be no contact with anything that has been treated.

It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area during application.

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

DO NOT apply by air.

SPRAY BUFFER ZONES

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

Crop	Method of Application	Spray Buffer Zones (metres) Required for the Protection of:						
		Freshwater Habitats of Depths			Estuarine/Marine Habitats of Depths			Terrestrial Habitat
		Less than 1 m	1-3 m	Greater than 3 m	Less than 1 m	1-3 m	Greater than 3 m	
Soybean	Field sprayer	5	2	1	5	2	1	10
	Field sprayer with shrouds	2	1	0	2	1	0	3
	Field sprayer with cones	4	1	1	4	1	1	5

When tank mixtures 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, Metribuzin Mx 75 DF Herbicide is a Group 5 Herbicide. Any weed population may contain or develop plants naturally resistant to Metribuzin Mx 75 DF Herbicide and other Group 5 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 Metribuzin Mx 75 DF Herbicide or other Group 5 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 the Corteva Agriscience Canada Company at 1-800-667-3852.

EASTERN CANADA USES
CROP INFORMATION AND RESTRICTIONS
Metribuzin Mx 75 DF Herbicide provides selective weed control in:

CANADA EAST
Soybeans

Metribuzin Mx 75 DF Herbicide may injure rotational crops:

- Rotation crops such as onions, celery, peppers, cole crops, lettuce and spinach, sugar beets, table beets and turnips, pumpkin and squash, cucumbers and melons, tobacco, and non-triazine tolerant canola (rapeseed) are sensitive to Metribuzin Mx 75 DF Herbicide and may be injured if planted in soil treated with Metribuzin Mx 75 DF Herbicide during the year of application or the following crop year.
- Fall seeded or cover crops such as wheat, oats, and rye may be injured when seeded within the same season as the application of Metribuzin Mx 75 DF Herbicide.

WEEDS CONTROLLED
NOTE: Metribuzin Mx 75 DF Herbicide DOES NOT CONTROL TRIAZINE RESISTANT WEED BIOTYPES

GRASS WEEDS
Barnyard grass
Green foxtail
Cheat grass
Johnson grass (seedling)
Crab grass
Witch grass
Fall panicum
Yellow foxtail
Giant foxtail

BROADLEAF WEEDS
Carpetweed[1]
Prickly mallow[1]
Cocklebur
Prostrate pigweed
Common chickweed
Redroot pigweed
Common ragweed
Russian thistle
Corn spurry[3]
Shepherd's purse
Dandelion (seedling)
Stinkweed[2]
Green smartweed
Velvetleaf
Hempnettle[3]
Wild buckwheat[2]
Jimsonweed[1]
Wild mustard
Lady's-thumb
Wild potato vine
Lamb's-quarter
Yellow woodsorrel[1]

[1]PREEMERGENCE only

[2]POSTEMERGENCE only
[3]Suppression with multiple postemergence applications of 200 g/ha.

SOIL TYPES AND RESTRICTIONS
The recommended use rates of Metribuzin Mx 75 DF Herbicide are dependent upon soil texture and organic matter content of the soil being treated. Rate tables in this label refer to the following three soil texture groups: coarse, medium and fine. If you are not sure how to classify your soil, contact your Corteva Agriscience Canada Company representative, Soils & Crops Advisor, or other knowledgeable person. The following chart includes a complete listing of soil textures included in each of the soil texture groupings:

COARSE	MEDIUM	FINE
Loamy sand	Loam	Silty clay loam
Sandy loam	Silt loam	Silty clay
	Silt	Clay loam
	Sandy clay loam	Clay
	Sandy clay	

- On variable soils with coarse sandy areas, some crop injury may occur on the sandy areas if the rate used is for the finer soil type.
- Sandy loam and silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions.
- Do not use this product on MUCK soils. If Metribuzin Mx 75 DF Herbicide is applied to MUCK soils, subsequent crops may be injured.
- Do not use on coarse soils with less than 2% organic matter.

APPLICATION INFORMATION
PREPLANT SURFACE OR BURN-DOWN
- In conservation tillage, minimum-tillage, ridge-tillage, strip-tillage, or no-tillage crop production systems.
- Metribuzin Mx 75 DF Herbicide alone or in combination with recommended tank-mixes may be applied as a broadcast spray up to 30 days before planting.
- If possible, do not move treated soil out of the row or move untreated soil to the soil surface during planting, as weed control may be reduced.
- Rainfall and/or overhead sprinkler irrigation is necessary to move Metribuzin Mx 75 DF Herbicide into the upper soil surface where weed seeds germinate.

PREPLANT INCORPORATION
- Refer to the tank-mix partner label for proper incorporation instructions.
- Avoid deep incorporation since reduced weed control and/or crop injury may result.
- Incorporate with implements which provide uniform, shallow incorporation (example: finishing disk, harrow, rolling cultivator, etc.).
- a single incorporation is satisfactory, however a second incorporation will generally improve herbicide soil blending and improves weed control (particularly on coarse soils).

PREEMERGENCE APPLICATION
- Metribuzin Mx 75 DF Herbicide alone, or in the recommended tank-mixes, may be applied to the soil surface as a broadcast spray after planting of the crop, but prior to weed or crop emergence.
- Preemergence application may be made in all tillage systems (conventional, conservation, minimum, ridge, etc.).
- Rainfall and/or overhead sprinkler irrigation is necessary to move Metribuzin Mx 75 DF Herbicide into the upper soil surface where weed seeds germinate.
- If adequate moisture is not received within 7 to 10 days after application and weeds begin to emerge from the soil, a light rotary hoeing or shallow incorporation (no deeper than 1.25 cm deep) will improve performance, minimize crop damage, activate chemical and prevent soil crusting.

- Dry weather conditions as well as excessive rainfall or irrigation following application may reduce weed control.
- Do not apply heavy irrigation immediately after application.

EARLY POSTEMERGENCE APPLICATION
- Do not tank-mix with liquid fertilizers, oils, oil concentrates, or surfactants when applying postemergence because severe crop injury may occur.
- Do not harvest within 60 days of postemergence application unless otherwise indicated.
- Thorough spray coverage on weed foliage is essential for adequate control with postemergent applications.

BAND APPLICATION
- If a band application is desired, the chemical may be applied preemergence and postemergence as described above by using proportionally less Metribuzin Mx 75 DF Herbicide per hectare:

  $$\frac{\text{Band width in centimetres}}{\text{Row width in centimetres}} \times \text{Broadcast rate/ha} = \text{Band rate/ha}$$

- Weeds between treated bands should be removed by cultivating, as needed, using protective fenders to keep freshly turned soil off treated bands.

SOYBEANS – EASTERN CANADA
- Apply specified dosage as preemergence broadcast spray in 150 to 300 L of water per hectare and as preplant incorporated in at least 100 L of water per hectare.
- Applications of Metribuzin Mx 75 DF Herbicide made at rates above those recommended may result in burning, yellowing or stunting of the crop. If heavy rains occur soon after application, plant injury may result, especially in poorly drained areas where water may stand for several days. Soybean seeds must be planted at least 4 cm below the soil surface.
- VARIETIES: Do not use Metribuzin Mx 75 DF Herbicide on AC Brant, Apache, Baron, Eramosa, Maple Amber, Maple Ridge, IA 1003 or S-240. Consult your Corteva Agriscience Canada Company representative, chemical dealer, or your seed supplier for information on the tolerance of soybean varieties, prior to Metribuzin Mx 75 DF Herbicide use.
- DO NOT USE Metribuzin Mx 75 DF Herbicide ON SANDY SOILS OR ON COARSE SOILS WITH LESS THAN 2% ORGANIC MATTER.
- Do not apply more than once per season regardless of method of application.

Metribuzin Mx 75 DF Herbicide Alone: Preemergence Application[1]

SOIL TYPES	Rates per hectare and organic matter		
	Less than 2%	2 to 4%	Over 4%
COARSE	DO NOT USE	550 g	750 g
MEDIUM	750 g	925 g	1.1 kg
FINE	1.1 kg	1.25 kg	1.5 kg

1. REMARKS FOR NO or MINIMUM TILLAGE: DO NOT USE METRIBUZIN MX 75 DF HERBICIDE on coarse soils. Under adverse conditions (drought), the following additives may be applied with the recommended treatments: crop oil concentrate (Assist) at 1% v/v or non-ionic surfactant at 0.1% v/v.

METRIBUZIN MX 75 DF HERBICIDE IN COMBINATION WITH OTHER HERBICIDES
Refer to the other product label for pertinent recommendations, directions for use, restrictions, precautions and any additional weeds not specified on this label. Unless prohibited on this or other product labels, apply as a broadcast or band application.

Metribuzin Mx 75 DF Herbicide Tank-Mixes: Preplant Incorporated

Weeds controlled	Products	Rates per hectare and soil types		
		COARSE	MEDIUM	FINE
Annual grasses and broadleaf weeds	Metribuzin Mx 75 DF Herbicide[1] plus Treflan Liquid E.C. Herbicide (480 g/L)	550 g + 1.2 L	750 g + 1.7 L	750 g + 2.4 L
Above plus yellow nutsedge	Metribuzin Mx 75 DF Herbicide[1] plus Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide	550 g + 1.15–1.75 L	750 g + 1.15–1.75 L	750 g + 1.15–1.75 L
	Metribuzin Mx 75 DF plus Frontier Max Herbicide[2]	550 g + 1.56–1.75 L	750 g + 1.56–1.75 L	750 g + 1.56–1.75 L
Annual grasses and non-triazine resistant annual broadleaf weeds	Metribuzin Mx 75 DF Herbicide plus Axiom DF 68% Water Dispersible Granular Herbicide[3]	0.5 kg + 0.84 kg	0.65 kg + 1.12 kg	0.83 kg + 1.26 kg

1. On heavy Brookston Clay soils, the Metribuzin Mx 75 DF Herbicide rate should be increased to a maximum rate of 1.1 kg/ha for season long control.
2. The lower rate of Frontier Max Herbicide provides suppression only for yellow nutsedge.
3. Tank-mixtures with Axiom DF 68% Water Dispersible Granular Herbicide can be applied up to 7 days before planting.

Metribuzin Mx 75 DF Herbicide Preemergence Following Preplant Incorporated Applications of Other Herbicides

Weeds controlled	Products	Rates per hectare and soil types		
		COARSE	MEDIUM	FINE
Annual grasses and broadleaf weeds	Treflan Liquid E.C. Herbicide (480 g/L) followed by Metribuzin Mx 75 DF Herbicide[1]	1.2 L 550–750 g	1.7 L 750–1100 g	2.4 L 1.1–1.5 kg
Above plus yellow nutsedge	Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide followed by Metribuzin Mx 75 DF Herbicide[1]	1.15–1.75 L 550–750 g	1.15–1.75 L 750–1100 g	1.15–1.75 L 1.1–1.5 kg

1. The rate of Metribuzin Mx 75 DF Herbicide depends on soil organic matter levels. See rates for Metribuzin Mx 75 DF Herbicide alone. When broadleaf weed populations are low, rates of Metribuzin Mx 75 DF Herbicide may be reduced by 25%.

Metribuzin Mx 75 DF Herbicide Alone or in Tank-Mixes (No or Minimum Tillage Systems): Preplant Surface (up to 30 days before planting) or Burndown Application

Weeds controlled	Products[1]	Rates per hectare and soil types		
		COARSE	MEDIUM	FINE
Annual weeds less than 4 cm in height and residual control of annual weeds[2]	Metribuzin Mx 75 DF Herbicide	Do not use	0.75–1.1 kg	1.1–1.5 kg
Above including grasses	Metribuzin Mx 75 DF Herbicide plus imazethapyr (i.e. products containing imazethapyr as the only active ingredient)	Do not use	0.53–1.0 kg + 75–100 g a.e.	0.64–1.3 kg + 75–100 g a.e.

For improved burndown of above including control of annual weeds taller than 4 cm and emerged perennial weeds	One of the above treatments plus Roundup Transorb Liquid Herbicide[3] or other glyphosate products containing glyphosate as the only active ingredient[3]	Do not use	 + 1.25 L or 450–685 g a.e.	 + 1.25 L or 450–685 g a.e.
Annual grasses and non-triazine resistant annual broadleaf weeds[4]	Metribuzin Mx 75 DF Herbicide plus Axiom 68% Water Dispersible Granular Herbicide[5]	Do not use	0.65 kg + 1.12 kg	0.83 kg + 1.26 kg
For burndown of above including control of weeds taller than 4 cm and perennial weeds	The above treatment plus Roundup Transorb Liquid Herbicide[3] or other glyphosate products containing glyphosate as the only active ingredient[3]	Do not use	 + 2.5 L or 1260 g a.e.	 + 2.5 L or 1260 g a.e.
Emerged annual and perennial weeds and residual control of annual weeds including spreading atriplex, up to the 10 leaf stage	Metribuzin Mx 75 DF Herbicide[7] plus Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide[3] or other glyphosate products containing glyphosate as the only active ingredient[3]	Do not use	0.75–1.1 kg + 1.67 L or 900 g a.e.	1.1–1.5 kg + 1.67 L or 900 g a.e.
Annual weeds less than 4 cm in height and residual control of annual weeds[7]	Metribuzin Mx 75 DF Herbicide plus Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide	0.67–0.75 kg + 1.15–1.75 L	0.75–1.1 kg + 1.15–1.75 L	1.1–1.5 kg + 1.15–1.75 L
Annual grasses and broadleaf weeds, including emerged annual or perennial weeds	Above treatment plus Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide[3] or other glyphosate products containing glyphosate as the only active ingredient[4]	+ 1.55–1.67 L or 837–900 g a.e.		

1. Under adverse conditions (drought), and for improved burndown of small emerged annual weeds, the following additives may be applied with the recommended treatments:
   - crop oil concentrate (Assist) at 1% v/v
   - non-ionic surfactant at 0.1% v/v
   - crop oil, 28-0-0, or 10-34-0 at 5% v/v (only for tank mixtures with the Herbicides Dual Magnum/Dual II Magnum or S-Metolachlor 960 +/- a glyphosate herbicide)
2. Use the higher rate for the control of grass weeds or when broadleaf weeds are dense.
3. Some perennial weeds, such as quackgrass, may not be controlled with these rates of glyphosate. Consult the glyphosate product labels regarding perennial weeds controlled.
4. If weeds are present at the time of application, apply this tank mixture with Roundup Herbicide.
5. Tank-mixtures with Axiom DF 68% Water Dispersible Granular Herbicide can be applied up to 7 days before planting.

6. Use the higher rates when weeds are dense and/or soils with high organic matter (over 4%) and at the heavy end of the soil texture class.
7. Consult Table entitled “Metribuzin Mx 75 DF Herbicide alone: Pre-emergence Application” for specific rates based on soil types and organic matter.

Metribuzin Mx 75 DF Herbicide Tank Mixes: Preemergence Applications for all Tillage Systems Unless Specified Otherwise

Weeds controlled	Products	Rates per hectare and soil types		
		COARSE	MEDIUM	FINE
Annual grasses and broadleaf weeds	Conventional Tillage Metribuzin Mx 75 DF Herbicide[2,3,5] plus Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide[6]	550–750 g + 1.15–1.75 L	750–1100 g + 1.15–1.75 L	1.1–1.5 kg + 1.15–1.75 L
	No or Min. Tillage Metribuzin Mx 75 DF Herbicide [1,2,3,5] plus Dual Magnum/Dual II Magnum or S-Metolachlor 960[6]	550 g + 1.15–1.75 L	750 – 1100 g + 1.15–1.75 L	1.1 – 1.5 kg + 1.15–1.75 L
	Metribuzin Mx 75 DF Herbicide plus Axiom DF 68% Water Dispersible Granular Herbicide[4]	500 g + 840 g	650 g + 1120 g	830 g + 1260 g
	Metribuzin Mx 75 DF plus Frontier Max Herbicide[2]	550 g + 1.1–1.25 L	670 g + 1.1–1.4 L	750 g + 1.1–1.4 L
Above weeds plus partial control of eastern black nightshade and Proso millet	Conventional Tillage Metribuzin Mx 75 DF Herbicide[2] plus imazethapyr (i.e., products containing imazethapyr as the only active ingredient)	550–750 g + 75–100 g a.e.	750–1100 g + 75–100 g a.e.	1.1–1.5 kg + 75–100 g a.e.
	No or Min. Tillage Metribuzin Mx 75 DF Herbicide[1,5] plus imazethapyr (i.e., products containing imazethapyr as the only active ingredient)	Do Not Use	0.53–1.0 kg + 75–100 g a.e.	0.64–1.33 kg + 75–100 g a.e.
For improved burndown of above including control of weeds taller than 4 cm and emerged perennials.	One of the above treatments in No or Min. Tillage plus Roundup WeatherMAX with Transorb 2 Liquid Herbicide[7,8] or other glyphosate products containing glyphosate as the only active ingredient[7,8]	Do not use	+ 0.83 L or 450 g a.e.	+ 0.83 L or 450 g a.e.
Annual grasses and broadleaf weeds including nightshade, emerged annual	No or Min. Tillage Metribuzin Mx 75 DF Herbicide[1,2,3,5] plus	550 g + 1.15–1.75 L	750–1100 g + 1.15–1.75 L	1.1–1.5 kg + 1.15–1.75 L

or perennial weeds	Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide plus Roundup WeatherMAX with Transorb 2 Liquid Herbicide[8] or other glyphosate products containing glyphosate as the only active ingredient[8]	 + 2.35 - 2.5 L or 837–900 g a.e.

1. In NO or MINIMUM TILLAGE, under adverse conditions (drought), and for improved burndown of small emerged annual weeds, the following additives may be applied with the recommended treatments:
   - crop oil concentrate (Assist) at 1% v/v
   - non-ionic surfactant at 0.1% v/v
   - crop oil, 28-0-0, or 10-34-0 at 5% v/v (only for tank mixtures with the herbicides Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide +/- *glyphosate*)
2. The rate of Metribuzin Mx 75 DF Herbicide depends on soil organic matter levels. See rates for Metribuzin Mx 75 DF Herbicide alone.
3. When broadleaf weed populations are low, rates of Metribuzin Mx 75 DF Herbicide may be reduced by 25%.
4. In NO or MINIMUM TILLAGE, DO NOT USE this tank-mixture on coarse soils.
5. Use the higher rate when weeds are dense and/or soils with high organic matter (over 4%) and at the heavy end of the soil texture class.
6. Including nightshade: Eastern black nightshade and American nightshade are controlled with tank-mixture including Dual Magnum/Dual II Magnum or S-Metolachlor 960 Herbicide only.
7. Except tank-mixtures that include Axiom DF Herbicide or Frontier Max Herbicide.
8. Some perennial weeds, such as quackgrass, may not be controlled with these rates of glyphosate. Consult the glyphosate product labels regarding perennial weeds controlled.

WESTERN CANADA USES

CROP INFORMATION AND RESTRICTIONS
Metribuzin Mx 75 DF Herbicide provides selective weed control in:

CANADA WEST
Soybeans

Metribuzin Mx 75 DF Herbicide may injure the following rotational crops:

- Rotation crops such as onions, celery, peppers, cole crops, lettuce and spinach, sugar beets, table beets and turnips, pumpkin and squash, cucumbers and melons, tobacco, and non-triazine tolerant canola (rapeseed) are sensitive to Metribuzin Mx 75 DF Herbicide and may be injured if planted in soil treated with Metribuzin Mx 75 DF Herbicide during the year of application or the following crop year.
- Fall seeded or cover crops such as wheat, oats, and rye may be injured when seeded within the same season as the application of Metribuzin Mx 75 DF Herbicide.

WEEDS CONTROLLED
NOTE: METRIBUZIN MX 75 DF HERBICIDE DOES NOT CONTROL TRIAZINE RESISTANT WEED BIOTYPES AND TREFLAN LIQUID E.C. HERBICIDE DO NOT CONTROL TRIFLURALIN RESISTANT WEED BIOTYPES.

Soybeans (Preplant Incorporated with Treflan Liquid E.C. Herbicide)
Annual blue grass, Barnyard grass, Brome grass, Cheat grass, Goose grass, Green foxtail, Persian darnel, Stink grass, Wild oats, Yellow foxtail, Carpetweed, Chickweed, Cow cockle, Green smartweed, Hempnettle, Knotweed, Lady's-thumb, Lamb's-quarter, Purslane, Redroot pigweed, Russian Thistle (not controlled in Fababeans), Shepherd's purse, Stinkweed, Volunteer non-triazine tolerant canola, Wild buckwheat, Wild mustard

SOIL TYPES AND RESTRICTIONS
The recommended use rates of Metribuzin Mx 75 DF Herbicide are dependent upon soil texture and organic matter content of the soil being treated. Rate tables in this label refer to the following three soil texture groups: coarse, medium, and fine.
If you are not sure how to classify your soil, contact your Corteva Agriscience Canada Company representative, Soils & Crops Advisor, or other knowledgeable person. The following chart includes a complete listing of soil textures included in each of the soil texture groupings:

COARSE	MEDIUM	FINE
Loamy sand Sandy loam	Loam Silt loam Silt Sandy clay loam Sandy clay	Silty clay loam Silty clay Clay loam Clay

- On variable soils with coarse sandy areas, some crop injury may occur on the sandy areas if the rate used is for the finer soil type.
- Sandy loam and silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions.
- Do not use this product on MUCK soils. If Metribuzin Mx 75 DF Herbicide is applied to MUCK soils, subsequent crops may be injured.
- Do not use on coarse soils with less than 2% organic matter.

APPLICATION INFORMATION
PREPLANT INCORPORATION (FALL AND SPRING APPLICATIONS)

- Cultivate to destroy existing weeds before Metribuzin Mx 75 DF Herbicide plus tank-mix partner application. When applying to stubble field, chop and thoroughly mix crop residue into soil to a depth

of 10-15 cm. Disc type implements provide the best results. To avoid concentration of wild oat seed below the treated layer, do not plow (moldboard).

- Metribuzin Mx 75 DF Herbicide tank-mixes may be applied as a broadcast spray and incorporated into the soil in two different directions (see table below for specific instructions).
- Metribuzin Mx 75 DF Herbicide in combination with recommended tank-mix may be applied in the spring or the fall. First incorporation must be done within 24 hours after application. For fall application, the second incorporation may be done in the spring at the time of seedbed preparation. It is preferred to do both incorporations in the fall followed by shallow tillage (disc or Vibrashank cultivator operated at 5-8 cm deep) in the spring prior to planting.
- Incorporation with implements set to cut less than 8 cm deep or more than 10 cm deep may result in erratic weed control or crop damage.
- Uneven application or improper incorporation of Metribuzin Mx 75 DF Herbicide and tank-mix partner can result in erratic weed control or crop injury depending on rate used.
- Stress conditions such as seedling disease, cold weather, deep planting, excessive moisture, high salt concentration, or drought may weaken seedlings and increase the possibility of crop damage from the Herbicides. Temporary lightening in colour may occur on the margin of leaves or cotyledons and a slight delay in crop development may be observed. This is quickly outgrown and usually has no lasting effect.

Implement	Working Depth	Tractor Speed	Remarks
Tandem disk or discer	8–10 cm	7–10 km/hr.	Preferred on stubble
Vibrashank cultivator	8–10 cm	10–13 km/hr.	Do not use if soil is crusted, lumpy, or too wet for good mixing action.
Deep tillage cultivator	Not Recommended		
Rod weeder			
Harrows			
Chisel plow			
Hoe drills			

POSTEMERGENCE APPLICATION

- Crop must be planted at least 5 cm below the soil surface.
- Do not use in crop underseeded with forage.
- Do not apply more than once per season.
- Do not tank-mix with other pesticides, wetting agents, or surfactants.
- To improve coverage the spray boom may be rotated forward by 45°.
- Activity on weeds may not be noticeable for 7 to 10 days after application.
- Metribuzin Mx 75 DF Herbicide may be applied when crop is wet with dew, but weed control may be reduced if there is rainfall within 6 hours after application.
- Temporary (7-10 days) lightening in crop colour and occasional slight reduction in crop height may be observed, especially if frost or abnormally high temperatures occur within 1 to 2 days of application. If frost occurs, allow 4 to 5 days for crop to recover before applying Metribuzin Mx 75 DF Herbicide.
- Activity on weeds and crop tolerance may be reduced if Metribuzin Mx 75 DF Herbicide is applied later than specified crop stages.
- Allow a 4 to 5 day interval between application of Metribuzin Mx 75 DF Herbicide and other pesticides such as wild oat Herbicides.

SOYBEANS – WESTERN CANADA

- Apply specified dosage as preplant incorporated in at least 100 L of water per hectare.
- VARIETIES: Do not use Metribuzin Mx 75 DF Herbicide on AC Brant, Apache, Baron, OAC Eramosa, Maple Amber, Maple Ridge, IA 1003 or S-240. Consult your Corteva Agriscience Canada Company representative, chemical dealer, or your seed supplier for information on the tolerance of soybean varieties, prior to Metribuzin Mx 75 DF Herbicide use.

Seedling disease, cold weather, deep planting, excessive moisture, high soil pH (above 7.5), high salt concentration, or drought may weaken soybean seedlings and increase the possibility of damage from Metribuzin Mx 75 DF Herbicide and Treflan Liquid E.C. Herbicide. Under these conditions, delayed crop development or reduced yield may result.

METRIBUZIN MX 75 DF HERBICIDE IN COMBINATION WITH OTHER HERBICIDES
Refer to the other product label for pertinent recommendations, directions for use, restrictions, precautions and any additional weeds not specified on this label. Unless prohibited on this or other product labels, apply as a broadcast or band application.

Metribuzin Mx 75 DF Herbicide Tank-Mixes: Preplant Incorporated (Spring application)

Weeds controlled	Products	Soil types and rates per hectare	
		COARSE (2-6% organic matter)[1]	MEDIUM or FINE (all soils with 6-15% organic matter)[1]
Annual grasses and broadleaf weeds	Metribuzin Mx 75 DF Herbicide plus Treflan Liquid E.C. Herbicide (480 g/L)	275–375 g + 1.7 L	375–550 g + 2.3 - 3.0 L[2]

1. Metribuzin Mx 75 DF Herbicide rate varies with the soil organic matter; the higher the organic matter the higher the rate of Metribuzin Mx 75 DF Herbicide required.
   - do not use on soils with less than 2% organic matter
   - on soils with 2-3% organic matter use 275 g/ha
   - on soils with 3-6% organic matter use 375 g/ha
   - on all soils with 6-10% organic matter, select a rate in the range recommended for Medium and Fine soils
   - on all soils with 10% organic matter or greater, use the highest recommended rate (broadleaf weed control may not be adequate)
2. Use high rate of Treflan Liquid E.C. Herbicide if wild oat infestation is heavy.

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General label amendment