

2024-07-29  
2023-1720  
**(Container)**



# XRM-5171

## Herbicide

GROUP	4	HERBICIDE
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For selective control of various broadleaved weeds in spring wheat, durum wheat, winter wheat, spring barley, oats and flax (including low linolenic acid varieties).

For sale for use in the Prairie Provinces and the Peace River, Okanagan and Creston regions ONLY of British Columbia.

COMMERCIAL (AGRICULTURAL)

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

ACTIVE INGREDIENT: clopyralid 50 g /L  
(present as acid)  
MCPA 280 g /L  
(present as 2-ethylhexyl ester)

Emulsifiable concentrate

REGISTRATION NO. 22764 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

**EYE IRRITANT**

NET CONTENTS: 8 L

**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**

**HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN**

**EYE IRRITANT**

**KEEP OUT OF REACH OF CHILDREN**

1. Do not take internally. Handle with care and mix only in a closed container. Use only in a well ventilated area.
2. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
3. Wash thoroughly after handling and before eating, drinking, smoking or using the bathroom. Take a shower immediately after work.
4. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
5. Apply only to agricultural crops when the potential for drift to non-target areas of human habitation and areas of human activity is minimal, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## **PROTECTIVE CLOTHING AND EQUIPMENT**

### **All Application Equipment**

Applicators must wear a hat, long-sleeved shirt, long pants, socks, rubber boots and chemical-resistant gloves. During mixing, loading, repair and clean-up, or when handling the concentrate, wear the above-mentioned protective equipment and clothing as well as goggles or face shield, and an apron.

Applicators using a closed cab are not required to wear chemical resistant gloves.

Do not enter or allow workers entry into treated areas for 12 hours following application to all crops.

## **PHYSICAL OR CHEMICAL HAZARDS**

**COMBUSTIBLE.** Do not use or store near heat or open flame.

## **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.

## **TOXICOLOGICAL INFORMATION**

The decision of whether to induce vomiting or not should be made by the attending physician. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration of petroleum based solvents must be weighed against toxicity when considering emptying the stomach. No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. Treat symptomatically.

## **ENVIRONMENTAL PRECAUTIONS**

This product contains aromatic petroleum distillates which is toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment. Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

### **Surface runoff**

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.

### **Leaching**

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.

## **STORAGE**

Store this product away from food or feed.

Store in original, tightly-closed container and do not allow water to be introduced into this container.

Do not ship or store near seed and fertilizers. Store in cool (above 5°C) dry, locked, well-ventilated area without floor drain. If product is frozen, bring to room temperature and agitate before use. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

## **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.

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 any way that is inconsistent with the directions on the label.

(Booklet)



# XRM-5171

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4. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
5. Apply only when the potential for drift to non-target areas of human habitation and areas of human activity is minimal, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## **PROTECTIVE CLOTHING AND EQUIPMENT**

### **All Application Equipment**

Applicators must wear a hat, long-sleeved shirt, long pants, socks, rubber boots and chemical-resistant gloves. During mixing, loading, repair and clean-up, or when handling the concentrate, wear the above-mentioned protective equipment and clothing as well as goggles or face shield, and an apron.

Applicators using a closed cab are not required to wear chemical resistant gloves.

Do not enter or allow workers entry into treated areas for 12 hours following application to all crops.

## **PHYSICAL OR CHEMICAL HAZARDS**

**COMBUSTIBLE.** Do not use or store near heat or open flame.

## **FIRST AID**

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

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### **Surface runoff**

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.

### **Leaching**

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.

## **STORAGE**

Store this product away from food or feed.

Store in original, tightly-closed container and do not allow water to be introduced into this container.

Do not ship or store near seed and fertilizers. Store in cool (above 5°C) dry, locked, well-ventilated area without floor drain. If product is frozen, bring to room temperature and agitate before use. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

## **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.

### **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.

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.

## GENERAL INFORMATION

XRM-5171 Herbicide should be diluted in water and applied by ground or aerial application equipment (see Application Directions Section) for the control of the following broadleaved weeds:

1.5 L/ha (low rate)

Canada thistle♦ (low infestations)	prickly lettuce
Burdock	radish, wild
cocklebur	ragweed
flixweed (spring rosettes 2-4 leaf)	shepherd's-purse (spring rosettes only)
♦♦field horsetail	stinkweed (spring rosettes)
lamb's-quarters	sunflower, annual
mustard, wild	sunflower, volunteer
♦♦plantain	vetch
♦Season long control, with some regrowth in the fall.	
♦♦Top growth only	

2.0 L/ha (high rate) - the above listed weeds plus

buckwheat, tartary	pigweed, redroot
buckwheat, wild	pigweed, Russian
Canada thistle♦ (medium to high infestations)	scentless chamomile (2 to 4 leaf)
canola, volunteer	smartweed
common groundsel	sow-thistle, annual
dandelion (spring rosettes only)	sow-thistle, perennial (top growth)
kochia (suppression) (2 to 4 leaf)	

## 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.

## APPLICATION DIRECTIONS (Ground and Aerial Applications)

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

Best results are obtained when XRM-5171 Herbicide is applied to actively growing weeds in the 1 to 4 leaf (seedling) stage and when Canada thistle is between 10 cm and up to but not including the early bud stage. Poor weed control may result under cool or dry conditions.

#### Spring Wheat, Durum Wheat, Winter Wheat, Spring Barley, Oats

Apply to spring wheat, durum wheat, spring barley and oats from 3 leaf to just before flag leaf. Apply to winter wheat in the spring from the 3 tiller stage to just before the flag leaf stage. Do not apply later than the flag-leaf emergence stage. Apply 50-100 L/ha total spray volume by ground. Higher spray volumes will provide better coverage and weed control, particularly when the weeds are not actively growing. Maximum 1 application per year.

**Flax (including low linolenic acid varieties)**

Apply to the flax when the crop is 5 to 15 cm tall. Early spraying will reduce the risk of crop injury. Apply XRM-5171 Herbicide in 50 to 100 L/ha total spray volume by ground equipment at spray pressures of 200 to 275 kPa. For optimum spray coverage, use flat fan nozzles tilted 45° forward to ensure better coverage. Maximum 1 application per year.

**NOTE:** Some delay in maturity and crop injury may result in flax from the use of the high rate but any potential yield reductions will usually be more than offset by increased yields due to better weed control.

**Spray Preparation**

Add half the required amount of water to the spray tank, then add with agitation the required amount of XRM-5171 Herbicide and the tank-mix partner if applicable. Add the balance of the water and continue to agitate while spraying.

The use of flood jet or hollow cone nozzles is not recommended because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

**(2) Aerial Application**

**Do not use human flaggers.**

**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.

Use XRM-5171 Herbicide alone or tank mixed with a product registered for aerial application as a broadcast treatment to cereal crops only. Apply the recommended rates of XRM-5171 Herbicide and tank mix partner as indicated elsewhere on this label. Apply in a spray volume of 30-50 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.

### **GENERAL USE PRECAUTIONS**

Do not use in greenhouses.

Apply only to agricultural crops 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 inversions, application equipment sprayer settings.

### **Sensitive Plants**

Do not apply XRM-5171 Herbicide directly to or otherwise permit it to come into contact with sunflowers, legumes, fruit or vegetable crops, flowers or other desirable broadleaved plants and take precautions to avoid spray mists drifting onto them.

### **Crop Rotation**

Fields previously treated with XRM-5171 Herbicide can be seeded to spring wheat, durum wheat, winter wheat, spring barley, oats and rye (not under-seeded to forage legumes, clover or alfalfa), canola, corn, field peas, flax, forage grasses, mustard, sugar beets or can be summer-fallowed. Seed only those crops listed above in the year following treatment. Do not seed to field peas for at least 10 months following treatment. Very dry soil conditions following application can result in a risk of injury to field peas grown in rotation. If severe drought conditions are experienced during the months of June to August inclusive in the year of application, delay seeding field peas an additional 12 months (total 22 months following application). Contact your local Corteva Agriscience Canada representative or retailer for more information before seeding field peas following drought conditions in the previous year.

### **Preharvest/Grazing Interval**

- Do not cut or graze treated fields of wheat, barley, oats or flax within 7 days after application.
- Do not harvest wheat, barley, oats or flax within 60 days after application, or within 7 days after application when harvesting for forage.
- Withdraw meat animals from treated fields at least 3 days before slaughter.

### **Restricted Entry Interval (REI)**

- Re-entry is not permitted until 12 hours after application for all agricultural situations.

### **Stress Conditions**

When weeds are stressed due to drought, flooding or prolonged hot or cool temperatures (8°C or less), control can be reduced or delayed since weeds are not actively growing. Weed escapes may occur under

prolonged stress conditions or low fertility. Do not make applications to weeds stressed longer than 20 days due to lack of moisture as unsatisfactory control can result.

### **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, or Clean-Out Spray Tank Cleaner, or 1 L of household ammonia (containing a minimum of 3 % ammonia) per 100 L of water, or similar tank cleaning agent 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.

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

### **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](http://www.corteva.ca) for information before applying any tank mix that is not specifically recommended on this label.

**TANK-MIXES WITH XRM-5171 HERBICIDE FOR BROADLEAVED WEED AND ANNUAL GRASS CONTROL IN WHEAT AND BARLEY**

XRM-5171 Herbicide may be tank-mixed with one of the tank-mix partners indicated in the table below for wide spectrum control. All broadleaved weeds listed elsewhere on this label plus the annual grasses listed below for each tank-mix partner will be controlled by the tank-mix.

<b>Herbicide Tank-Mix Partner</b>	<b>Crops</b>	<b>XRM-5171 Herbicide + tank-mix partner rate product/ha</b>	<b>Annual Grasses</b>	<b>Adjuvant Rate</b>
Liquid Achieve Herbicide	spring wheat, durum wheat, winter wheat, barley	1.5 - 2.0 L + 0.5 L	wild oats, green & yellow foxtail, barnyard grass, Persian darnel	Turbocharge: 0.5 % v/v
Axial 100 EC Herbicide	spring wheat, barley	1.5 - 2.0 L + 600 mL	wild oats, green foxtail, yellow foxtail, volunteer oats, volunteer canaryseed, proso millet	Adigor 700 mL/ha

NOTE USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Corteva Agriscience Canada Company under the User Requested Minor Use Label Expansion program. For these uses, Corteva Agriscience Canada Company has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

#### **DIRECTIONS FOR USE**

**DO NOT APPLY BY AIR.**

#### **ESTABLISHED TIMOTHY FOR HAY AND FORAGE PRODUCTION IN WESTERN CANADA**

For the control of labeled weeds on Established Timothy for hay and forage production in Western Canada, apply XRM-5171 Herbicide at a rate of 2 L/ha. Apply only one post-emergent application per season. Do NOT apply within 7 days of harvest. For use in the Prairie Provinces and the Peace River, Okanagan and Creston regions of British Columbia only.

#### **ESTABLISHED TIMOTHY FOR SEED PRODUCTION IN WESTERN CANADA**

For the control of labeled weeds on Established Timothy for seed production in Western Canada, apply XRM-5171 herbicide at a rate of 1.5 - 2 L/ha. Apply only one post-emergent application per season. Apply to the crop from 3 leaf to just before flag leaf. Do not cut or graze treated fields within 7 days after application. For use in the Prairie Provinces and the Peace River, Okanagan and Creston regions of British Columbia only. Timothy is particularly sensitive to stress conditions, and some crop injury or seed yield reduction may occur when herbicides are applied under stress (e.g. drought or frost) conditions.

#### **LABELLED ANNUAL AND PERENNIAL BROADLEAVED WEEDS IN CANARYSEED (*Phalaris canariensis*), INCLUDING ANNUAL CANARYGRASS GROWN FOR HUMAN CONSUMPTION**

For the control of labeled annual and perennial broadleaved weeds in Canaryseed (*Phalaris canariensis*), apply XRM-5171 Herbicide at a rate of 1.5 – 2.0 L/ha in a minimum of 100 L water/ha to thoroughly cover the weeds with a spray pressure of 200 to 275 kPa. Apply when weeds are in the seedling stage (2 to 4 leaf) and when Canaryseed (*Phalaris canariensis*) is in the 3 leaf stage to just before flag leaf emergence stage using a ground boom sprayer. Apply only one post-emergent application per season. Do NOT apply within 60 days of harvest. For use in the Prairie Provinces and the Peace River, Okanagan and Creston regions ONLY of British Columbia. Annual canarygrass seeds can be harvested for human consumption.

REFER TO THE MAIN XRM-5171 HERBICIDE LABEL FOR ADDITIONAL DETAILS AND INSTRUCTIONS.

## 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), 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 of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	wheat, barley, oats, flax, timothy for hay, forage and seed production and canaryseed		1	0	1
Aerial sprayer	wheat, barley, oats, flax and canaryseed	Fixed wing	1	0	50
		Rotary Wing	1	0	45

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](http://Canada.ca) website.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, XRM-5171 Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to XRM-5171 Herbicide 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 XRM-5171 Herbicide 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 Corteva Agriscience Canada Company at 1-800-667-3852 or at [www.corteva.ca](http://www.corteva.ca).

**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 any way that is inconsistent with the directions on the label.

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