



# Rexade™ A Herbicide

with ARYLEX™ ACTIVE

GROUP	2	4	HERBICIDES
-------	---	---	------------

For postemergent control of annual grasses and broadleaf weeds in spring wheat, durum wheat and winter wheat

COMMERCIAL (AGRICULTURAL)

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

ACTIVE INGREDIENTS:	halauxifen, present as methyl ester	5%
	pyroxsulam	15%
Wettable granules		

REGISTRATION NUMBER 32520 PEST CONTROL PRODUCTS ACT

**CAUTION - EYE IRRITANT**

NET CONTENTS: 100 g - bulk

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

™Trademark of Corteva Agriscience and its affiliated companies.

## **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes IMMEDIATELY. After use, wash hands and other exposed skin. Avoid breathing spray mist. Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

Apply only to agricultural crops when the potential for drift to areas of human habitation and 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.

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

## **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 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 the 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 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 in original containers in a secure, dry heated storage. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste. To prevent contamination store this product away from food or feed.

## **DISPOSAL**

**Disposal of Unused, Unwanted Product**

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.

### **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.

## **GENERAL INFORMATION**

Rexade A Herbicide is a selective postemergence herbicide for the control of annual grasses and broadleaved weeds in spring wheat, durum wheat and winter wheat. Rexade A Herbicide is mixed with water and applied as a uniform broadcast spray.

Rexade A Herbicide **MUST** be applied postemergence, to the main flush of actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of Rexade 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.

Rexade A Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 2 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**

Rexade A Herbicide contains a Group 2 and a Group 4 mode of action herbicide. The Group 2 mode of action herbicide inhibits the production of the ALS enzyme in plants. This enzyme is essential for the production of certain amino acids required for plant growth. The Group 4 mode of action herbicide disrupts normal plant growth regulation resulting in death of susceptible plants.

## **GENERAL USE PRECAUTIONS**

### **Sensitive Plants**

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

### **Non-Target Sites**

Do not apply where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Hazards section of the label.

### **Crop Rotation**

Fields can be seeded 11 months following an application of Rexade A, with the following crops: spring barley, spring wheat, oats, canola, flax, brown and yellow mustard, canola quality Brassica juncea, field

peas and soybean or fields can be summerfallowed. Sunflowers and potatoes (except seed potatoes) can be planted 10 months and lentils 22 months after application of Rexade A.

This product has potential to leach. Do not apply excessive irrigation. Do not use in successive years at the same site.

### **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.

### **Spray Equipment Precaution**

Do not apply through any type of irrigation system.

### **To Reduce Spray Drift:**

1. Use nozzles delivering higher volumes and coarser droplets.
2. Use low pressures (200 to 275 kPa).
3. Use 100 L/ha of spray solution.
4. Spray when the wind velocity is 15 km/hr or less.
5. Spot treatments should only be applied with a calibrated boom to prevent over-application.

### **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 UNDERSEEDDED 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.

#### **APPLICATION METHODS**

##### **(1) Ground Application**

Using ground equipment, apply Rexade A as a broadcast treatment at the recommended rate as specifically listed in the DIRECTIONS FOR USE section of this label.

##### **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.

##### **(2) Aerial Application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

#### **Directions for Use**

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. **Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.**

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices or a GPS system.

#### **Use Precautions**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good agricultural 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. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

### 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.

## REXADE A HERBICIDE APPLIED ALONE

### Crops Registered

spring wheat, durum wheat and winter wheat

### Application Directions

For control of the following listed weeds, apply Rexade A Herbicide at 100 g/ha in 50 - 100 L per hectare of water by ground or in a minimum of 30 L per hectare by air. Apply a non-ionic surfactant (NIS) at 0.25% V/V (e.g. Agral 90). Apply in the spring from the 2 leaf to the flag leaf stage in spring wheat, durum wheat and winter wheat (do not apply to wheat with less than 2 leaves). Apply when weeds are actively growing at the 1-8 leaf stage, unless otherwise specified. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

### Weeds Controlled or Suppressed by Rexade A Herbicide

#### Weeds Controlled:

alfalfa, volunteer (up to 25 cm in height)	hemp nettle <sup>†††</sup>
American dragonhead (up to bud stage and 15 cm in height)	henbit ( up to bud stage and 15 cm in height)
barnyard grass (1-5 leaf)	lamb's-quarters <sup>†††</sup>
brome, Japanese (1-6 leaf)	oats, wild (up to 4 leaf, 2 tiller)
buckwheat, wild	pigweed, red-root <sup>†††</sup>
canola, volunteer <sup>†</sup> (1-6 leaf)	ragweed, common (up to 6-leaf stage) <sup>†††</sup>
chickweed, common (up to 10 cm)	round-leaved mallow (up to 6 leaf stage, <10 cm in size)
cleavers <sup>†††</sup> (1 to 9 whorl)	smartweed (lady's-thumb, 1-5 leaf)
corn spurry (up to 2 whorl stage, <10 cm in height)	shepherd's purse (up to 30 cm tall)
cow cockle	stinkweed (up to 30 cm tall)
fleabane, Canada (up to 15 cm in height) <sup>††††</sup>	white cockle (season-long control, up to the bud stage, less than 15 cm in height)
flixweed (up to 10 cm)	stork's-bill (up to the 8-leaf stage)
foxtail, yellow (1-5 leaf)	velvetleaf (up to the 5-leaf stage)
flax, volunteer (up to 15 cm in height)	

#### Weeds Suppressed:

brome, downy (2-6 leaf, 4 tillers)	kochia <sup>††. †††</sup>
Canada thistle (up to 30 cm tall, prebud)	night flowering catchfly (up to bolting stage, 15 cm in height)
dandelion (seedlings and over-wintered rosettes less than or equal to 20 cm)	Russian thistle (up to 10 cm tall)
foxtail, green (1-5 leaf)	sow-thistle, annual (up to 5 leaf stage)

<sup>†</sup>will not control volunteer Imidazolinone-tolerant canola

<sup>††</sup>light to moderate infestations (up to 150 plants/m<sup>3</sup> up to 15 cm in height)

<sup>†††</sup>including Group 2 resistant biotypes

<sup>††††</sup>including Group 2 and 9 resistant biotypes

### Mixing Instructions

1. Fill sprayer tank 1/2 full of water

2. Start sprayer tank agitation
3. Add the required amount of Rexade A Herbicide
4. Complete filling the sprayer tank with sufficient water to spray 50-100 L of spray mixture per hectare by ground and 30 L of spray mixture by air.
5. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes)
6. Follow sprayer clean-up directions

### Pre-Harvest/Grazing Intervals

1. Do not cut the treated crop for hay or graze treated crop within 7 days after application.
2. Do not harvest the treated crop within 50 days after application.

### TANK-MIX COMBINATION: REXADE A + REXADE B HERBICIDE

#### Crops Registered

Spring wheat, winter wheat and durum wheat

#### Application Directions

Tank mixtures of Rexade A Herbicide with Rexade B Herbicide will provide control of additional broadleaved weeds (see table below). Apply when crops and weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, minimum interval to harvest and directions for use on the Rexade A Herbicide labels.

ADJUVANT IS NOT REQUIRED WHEN REXADE A IS TANK MIXED WITH REXADE B (2,4-D ESTER) HERBICIDE.

Application timing	Tank Mix Partner	Additional Weeds Controlled
spring, durum and winter wheat: Apply in the spring from the 2 leaf to the flag leaf stage	Rexade B 425 mL/ha	volunteer Clearfield canola (1-6 leaf)
	Rexade B 530 mL/ha <sup>†</sup>	annual sunflower, bluebur, burdock, cocklebur, kochia <sup>**</sup> , mustard (except dog and green tansy), plantain, prickly lettuce, ragweeds, Russian thistle, sweet clover, wild radish

<sup>†</sup> Up to 10 cm in height, up to 50 plants/m<sup>2</sup>.

<sup>\*\*</sup> Control may be reduced under cool or dry conditions, and under heavy weed infestations.

#### Mixing Instructions

1. Fill sprayer tank 1/2 full of water
2. Start sprayer tank agitation
3. Add the required amount of Rexade A Herbicide, continue agitation
4. Add the required amount of Rexade B, continue agitation
5. Complete filling the sprayer tank with sufficient water to spray 50-100 L of spray mixture per hectare by ground and 30 L of spray mixture by air.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes)
7. Follow sprayer clean-up directions

#### SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- low-clearance hooded or shielded sprayers that prevent spray contact with crop or foliage.

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 of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat, durum wheat, winter wheat		1	1	2
Aerial	Spring wheat, durum wheat, winter wheat,	Fixed wing	5	1	90
		Rotary wing	5	1	75

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 Rexade A Herbicide is a Group 2 and Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Rexade A Herbicide and other Group 2 and 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 Rexade A Herbicide or other Group 2 and 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 treated 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 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.

™ Trademark of Corteva Agriscience and its affiliated companies.

181223

Label Code: CN-32520-012-E

Replaces: CN-32520-011-E

Specimen Label Notes:

Update to tank mix statements and Quarry Park address