



# Kerb™ SC Herbicide

GROUP	3	HERBICIDE
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KERB SC HERBICIDE IS A SELECTIVE HERBICIDE FOR CONTROL OF WEEDS IN ALFALFA, TREFOIL, ORNAMENTALS, STRAWBERRIES, APPLES, PEARS, LOWBUSH BLUEBERRIES, LETTUCE AND ESTABLISHED PASTURES.

COMMERCIAL (AGRICULTURAL)

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

**ACTIVE INGREDIENT:** Propyzamide 400 g/L  
Suspension

Contains 1,2-Benzisothiazoline-3-one at 0.02% as a preservative  
OR

Contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0011%, 2-Methyl-4-isothiazolin-3-one at 0.000005%  
as preservatives

REGISTRATION NO.: 30264 PEST CONTROL PRODUCTS ACT

**NET CONTENTS:** 1.1 L - bulk

**Corteva Agriscience Canada Company**

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Calgary, AB  
T2C 5G9  
1-800-667-3852

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## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

#### **DO NOT APPLY BY AIR.**

Avoid breathing dust and spray mist. Do not take internally. Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks during mixing, loading and application. In addition, wear a chemical-resistant apron when cleaning equipment, mixing or loading.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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.

When applying to more than 75 hectares per day (420 L of product or 168 kg active ingredient), workers must use closed mixing and loading equipment and a closed cab tractor for application. A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

## **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 judgment of the physician in response to reactions of the patient. Treat symptomatically.

## **AGRICULTURAL CHEMICAL**

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

## **ENVIRONMENTAL PRECAUTIONS**

- TOXIC to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.
- 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. 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 contains petroleum distillates which are toxic to aquatic organisms.

## **STORAGE**

Store this product away from food or feed. Do not store near fertilizer. Keep from freezing.

## **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).

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**

Kerb SC Herbicide is a selective herbicide used to control quackgrass, certain other perennial grasses such as orchardgrass and timothy, and most annual grasses, including wild oats and volunteer wheat. Kerb SC Herbicide also controls chickweed. Dandelion, thistles and other members of the Compositae family are not controlled by Kerb SC Herbicide.

Kerb SC Herbicide is readily absorbed by plants through the root system, translocated upward and distributed into the entire plant. The degree of translocation from leaf absorption is negligible. It can be applied pre-plant incorporated on certain crops, pre-emergence and post-emergence to weeds and all crops. Post-emergence applications to weeds will not control weeds by foliar uptake, but rather by soil uptake once the product moves into the soil.

## **GENERAL USE PRECAUTIONS**

- Effect on soil type: Kerb SC Herbicide is ineffective and not recommended for application pre-emergence to weeds on highly organic peat or muck soils.
- Grazing Restriction: Do not harvest or graze within 90 days after application of 4 L of Kerb SC Herbicide per hectare or for 60 days after rates of less than 4 L per hectare.
- Caution: Do not use on pastures that contain high proportions of timothy, crested wheat grass or meadow Fescue, as severe stand reduction will occur.
- DO NOT apply by air.
- Reduce dosage accordingly for band treatment.

### **Rotational crops**

Observe a plantback interval of 30 days for leafy vegetables (except Brassica vegetables), 90 days for root and tuber vegetables and 360 days for all other crops.

### **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.

### **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.

### **DIRECTIONS FOR USE**

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE.

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.

When applying to more than 75 hectares per day (420 L of product or 168 kg active ingredient), workers must use closed mixing and loading equipment and a closed cab tractor for application. A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

### **Mixing Instructions**

Mix Kerb SC Herbicide in water and apply uniformly with a standard low pressure herbicide sprayer with flat fan nozzles at 300-500 litres of water per hectare.

### **Methods of Application**

Kerb SC Herbicide can be either fall or spring applied depending upon the crop involved.

#### **A) Fall application (Alfalfa, Trefoil)**

Kerb SC Herbicide should be applied in the fall from late September to early November. Exact timing depends on soil temperature and ground freezing. Best results are obtained when soil temperature is low but above freezing and soil moisture is high. Surface applications are most effective if followed by rain in a day or two or a light overhead irrigation (1.25 to 2.50 cm). Kerb SC Herbicide acts through root absorption.

**Established Pastures:** To control foxtail barley (*Hordeum jubatum*) in established grass pastures, or grass/legume (alfalfa, trefoil) pastures, apply Kerb SC Herbicide in late fall prior to freeze-up. On brown, dark brown, or gray wooded soils use 1.1 L of Kerb SC Herbicide per hectare. On thin black or black soils use 1.4 L of Kerb SC Herbicide per hectare. Some of the less tolerant pasture grass species, (e.g. tall fescue, creeping red fescue) may experience a 10-15% reduction as a result of the treatment.

#### **B) Spring Application**

(Seed Alfalfa): Kerb SC Herbicide can be applied in the spring as a surface spray to control annual grasses, including wild oats. For optimum control the soil temperature should be cool. If soil temperature is high and moisture content low a light incorporation is recommended.

## CROP RECOMMENDATIONS

ALFALFA, TREFOIL (in first year and established plantings)

To Control:	Kerb SC Herbicide Per hectare*	Timing
Annual grasses, Volunteer grain, Wild Oats	2.2 L	Fall (Spring-Seed Alfalfa)
Quackgrass, orchardgrass, timothy, chickweed	2.8- 4 L	Fall

\*Note: Do not use more than 2.8 L per hectare in Spring Application.)

### **Dodder Control in Alfalfa and Trefoil grown for seed**

4 L of Kerb SC Herbicide per hectare. Apply in the fall (late September to early November) or early spring (early April to early May); spring application will be effective ONLY if low temperatures prevail and moisture is available following application. Spot treatment of Dodder may be necessary as complete control of Dodder is not achieved with Kerb SC Herbicide.

### **ORNAMENTALS (Established)**

Iris, peony, ground covers (except *Vinca minor*) and any coniferous trees and shrubs which are tolerant of Kerb SC Herbicide. To control quackgrass, most annual grasses and chickweed in established plantings, apply Kerb SC Herbicide in the fall at the rate 37 mL per 100 square metres. DO NOT USE Kerb SC Herbicide ON OR PERMIT TREATED AREAS TO DRAIN ONTO TURF GRASSES (EXCEPT FOR REMOVAL).

### **ORNAMENTAL NURSERY STOCK, CONTAINER GROWN (British Columbia only)**

To control annual grasses and chickweed during the winter and spring in a sawdust: peat (3:1) medium for container grown coniferous trees and shrubs, apply Kerb SC Herbicide at a rate of 37 mL per 100 square metres in November to February. Do not apply to stock that has been transplanted less than six months.

### **STRAWBERRIES (Maritimes and British Columbia only)**

To control annual grasses and chickweed, apply Kerb SC Herbicide from late September to early November at a rate of 2.8 L per hectare. Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

### **APPLES AND PEARS**

To control quackgrass and annual grasses apply Kerb SC Herbicide from late September to early November at a rate of 5.6 L of product per hectare or 56 mL per 100 square metres. Use only under trees established for at least one year. Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

### **LOWBUSH BLUEBERRIES**

To control perennial grasses including quackgrass and annual grasses, apply Kerb SC Herbicide from late September to early November at rates of 4.1 -5.6 L of product per hectare. Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

**Note:** Do not apply Kerb SC Herbicide to the above crops until all the fruits have been harvested.

### **LETTUCE (Direct seeded or transplanted)**

To control germinating annual grasses and some broadleaf weeds, apply Kerb SC Herbicide once a year at 2.75 L of product per hectare. For direct seeded lettuce apply either as preplant incorporation,

preemergent or postemergent with a pre-harvest interval of 55 days. For transplanted lettuce apply Kerb SC Herbicide 7-10 days post-transplant.

**Note:** Do not replant lettuce in the Kerb SC Herbicide treated field in the same year as significant residues may result.

### 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 non-target sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

**Spray Buffer Zone Table**

Method of Application	Crop	Spray Buffer Zones (metres) Required for the Protection of:
		Terrestrial habitat
Field sprayer	Established grass pastures, established grass/legume (alfalfa, trefoil) pastures, alfalfa grown for seed, trefoil grown for seed, strawberries, lettuce, established ornamentals	5
	Lowbush blueberries, apples, pears	10

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, Kerb SC Herbicide is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to Kerb SC Herbicide and other Group 3 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 Kerb SC Herbicide or other Group 3 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 your local Corteva Agriscience Canada Company representative or the Corteva Agriscience Canada Company hotline at 1-800-667-3852 for further information.

**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. The user assumes the risk to persons or property that arises from any such use of this product.

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Label Code: CN-30264-007-E

Replaces: CN-30264-006-E

Specimen Notes:

Updated tank mix general statement and address