

2019-1687
2019-10-04

BASE

GROUP	4	HERBICIDE
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CALIBER® 625

**COMMERCIAL
HERBICIDE**

CONTAINS 2,4-DB EMULSIFIABLE CONCENTRATE

For use in seedling legume and grass forages, cereals (wheat, barley and oats), , and pastures.



CAUTION POISON

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT: 2,4-DB, 625 g/L (present as 2-ethyl hexyl ester)

REGISTRATION NO. 27910 PEST CONTROL PRODUCTS ACT

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING
INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273

LOVELAND PRODUCTS CANADA INC.
789 Donnybrook Drive
Dorchester, Ontario
N0L 1G5
1-800-328-4678

NET CONTENTS: 10 L

12/11

FRONT

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PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Fatal or poisonous if swallowed. Potential skin sensitizer. Causes skin irritation. **DO NOT** get on skin. 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. **DO NOT APPLY BY AIR.**

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

ENVIRONMENTAL PRECAUTIONS:

Avoid contamination of ponds, streams, rivers and other water sources.

This product contains aromatic petroleum distillates which are toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

TOXIC to non-target terrestrial plants. Observe 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 strip between the treated area and the edge of the water body

PROTECTIVE CLOTHING AND EQUIPMENT:

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Rinse gloves before removal. Gloves are not required during application within a closed cab.

If mixing and loading more than 395 L in a day, a closed mix/load system is required.

For groundboom application, if applying more than 395 L in a day, a closed cab tractor is required.

OPERATOR USE PRECAUTIONS:

- Wear freshly laundered clothing and clean protective equipment daily.

- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately and promptly, and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.

RESTRICTED-ENTRY INTERVAL

DO NOT enter or allow workers to enter treated areas during the restricted-entry intervals (REIs) specified in the following table:

Crop	Post-Application Activity	Restricted-Entry Interval
Wheat, barley, oats	Scouting	3 days
	All other activities	12 hours
Seedling alfalfa and bird's-foot trefoil, seedling clovers, seedling grasses for forage, pastures containing forage legumes	All activities	12 hours

FIRST AID:

This product contains petroleum distillates. Vomiting may cause aspirational pneumonia.

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 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 SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible.

Call a poison control centre or doctor for treatment advice.

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

TOXICOLOGICAL INFORMATION:

DO NOT induce vomiting. No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, 1-800-561-8273.

For health or environmental emergencies, Prosar, 1-800-301-7976.

For product and use information, Loveland Products Canada Inc. 1-800-328-4678.

STORAGE CONDITIONS:

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. May be stored at any temperature. **SHAKE WELL BEFORE USING.**

DISPOSAL:

For 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 requirements.

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

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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.

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DIRECTIONS FOR USE:

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground.

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, CALIBER 625 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to CALIBER 625 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 CALIBER 625 or other Group 4 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 Loveland Products Canada Inc., 1-800-328-4678 or at www.uap.ca.

GENERAL USE PRECAUTIONS:

CALIBER 625 may cause damage to susceptible crop, ornamental, and other plants, even in minute quantities.

Avoid spray drift to any desirable vegetation. Coarse sprays are less likely to drift.

Do not spray during periods of high winds.

Do not graze or cut treated crops for forage or hay until 30 days after application.

A minimum rotational crop plant-back interval of 30 days must be observed for crops other than those listed on the label

MIXING:

To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of CALIBER 625 and agitate thoroughly. Add the remainder of the water and agitate before spraying. Wash sprayer thoroughly after use.

EQUIPMENT AND SPRAY VOLUME:

Apply in 50 to 200 litres of water per hectare by ground equipment unless otherwise indicated. Higher water volumes will reduce the risk of crop injury.

Use spray nozzles and pressures that deliver a medium to coarse quality spray.

Avoid generating fine, driftable droplets.

TANK MIXES:

CALIBER 625 may be recommended in tank mix with other products.

Consult the label of the tank mix partner product, and follow the most stringent set of precautions, restrictions and directions for use.

CROPS, TIMING, RATES AND METHODS OF APPLICATION:

Use the dose required to control the weeds present.

To minimize the risk of crop injury, do not exceed the recommended rate listed for the crop.

Higher rates may be required to control certain weed species. Rates above those recommended for a crop may result in significant crop injury, and should only be used when the risk of crop injury will be offset by the benefits of enhanced weed control.

Apply in warm weather when the crop and weeds are growing well, and the weeds are at a susceptible stage.

Avoid application during drought conditions or during exceptionally hot weather.

CROP:

Seedling Alfalfa and Bird's-foot Trefoil, Direct or Underseeded

APPLICATION TIME:

From the first to the fourth trifoliate leaf stage.

For companion crop see below.

METHOD:

Ground application.

RECOMMENDED RATE PER HECTARE: Up to 2.25 L.

PRECAUTION: Substantial crop injury and reduction in forage dry matter may occur when CALIBER 625 is applied in accordance with the label.

CROP:

Seedling Clovers, Direct or Underseeded

APPLICATION TIME:

As soon as possible after the first trifoliate leaf stage.

DO NOT use on Sweet Clover.
Red and Alsike clover may be damaged.
TOPSIDE is recommended for use in pure stands of Red Clover.

METHOD:

Ground application.

RECOMMENDED RATE PER HECTARE: Up to 2.25 L.

PRECAUTION: Substantial crop injury and reduction in forage dry matter may occur when CALIBER 625 is applied in accordance with the label.

CROP:

Cereals (Wheat, Barley and Oats)

APPLICATION TIME:

After the crop has five fully expanded leaves but before the early flag leaf (shot-blade) stage.

Oats may be damaged if treated before the 5-leaf stage.

METHOD:

Ground application.

RECOMMENDED RATE PER HECTARE: Up to 2.25 L.

CROP:

Pasture Containing Forage Legumes

APPLICATION TIME:

After cutting or grazing preferably when regrowth is not above 7.5 cm high.

Where thistle, yellow rocket or chicory are present grazing is preferable to cutting. For the control of narrow-leaved hawk's beard and yellow rocket in dormant established alfalfa only, apply CALIBER 625 at 2.25 to 2.75 L/ha in the fall after alfalfa has ceased growing.

Do not apply to established alfalfa that is actively growing as crop injury may result.

Damage, especially to established alfalfa, may occur and is likely to increase in severity the longer treatment is delayed beyond the stage recommended above.

Do not cut treated crops for forage or hay until 30 days after application

METHOD:

Ground application.

RECOMMENDED RATE PER HECTARE: Up to 2.75 L.

CROP:

Seedling grasses for Forage (Smooth Bromegrass, Creeping Red Fescue, Meadow Fescue, Tall Fescue, Orchard Grass, Timothy, Crested Wheatgrass, Intermediate Wheatgrass, Streambank Wheatgrass, Tall Wheatgrass)

APPLICATION TIME:

At the 2 to 4-leaf stage of the seedling grasses.

METHOD:

Ground application

RECOMMENDED RATE PER HECTARE: Up to 2.25 L.

WEEDS CONTROLLED WITH 1.75 L PER HECTARE of CALIBER 625:

Stinkweed, Ragweed, Redroot Pigweed, Shepherd's purse, Lamb's quarters, Wormseed mustard, Ball mustard, Wild Mustard*.

Application Time:

Spray when the weeds are in the seedling stage.

Resistance increases with age.

*Wild mustard plants beyond the 4-leaf stage are not likely to be controlled by CALIBER 625 alone. For better wild mustard and narrow-leaved hawk's-beard control in seedling alfalfa and Bird's-foot trefoil, CALIBER 625 at the reduced rate of 1.25 L/ha may be tank mixed with MCPA amine salt at 35 g active ingredient/ha (for example 70 mL/ha of MCPA Amine 500). This tank-mix may increase crop stunting.

WEEDS CONTROLLED WITH 2.25-2.75 L CALIBER 625 PER HECTARE:

The higher rate is more effective and should be used where tolerated by the crop.

Oak-leaved goosefoot: Spray at or before 2-leaf stage.

Wild buckwheat: Spray at or before 2-leaf stage.

Wild radish: Spray at or before 2-leaf stage.

Bull thistle: Spray at rosette to early bud stage.

Perennial sow-thistle: Spray at rosette stage.

Chicory: Spray at rosette stage.

Canada thistle: Top growth control, spray from 15 cm to early bud stage.

Curled dock: Early growth.

Plantain: Before flowering.

Field Bindweed: For best results spray in late summer.

Spring treatment controls top growth.

Yellow rocket: Spray from the third week of September to the middle of October.

Narrow-leaved

hawk's-beard: Spray at rosette stage in late fall after legume growth ceases.

WEEDS MODERATELY SUSCEPTIBLE TO 2.75 L of CALIBER 625 PER HECTARE:

Horsetail: Top growth control, spray when 10 to 13 cm high.

Dandelion: Top growth control, spray before bud stage.
 Lady's-thumb: Seedlings only stunted.
 Green smartweed: Seedlings only stunted.

BUFFER ZONES:

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

The 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).

Method of application	Crop	Buffer Zones (metres) Required for the Protection of Terrestrial Habitat:	
Field sprayer	Seedling alfalfa (direct or underseeded), Bird's-foot trefoil (direct or underseeded), Seedling clovers (direct or underseeded), Seedling grasses for forage	1	
	Pasture containing forage legumes	2	
Aerial	Seedling alfalfa (direct or underseeded), Bird's-foot trefoil (direct or underseeded), Seedling clovers (direct or underseeded)	Fixed wing	65
		Rotary wing	55
	Pasture containing forage legumes	Fixed wing	75
		Rotary wing	60

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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 buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.