

GROUP	4	HERBICIDE
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Jug SLEEVE

Nufarm

**Embutox® 625**

**AGRICULTURAL**

**Liquid herbicide**

**CONTAINS 2,4-DB**

**EMULSIFIABLE CONCENTRATE**

**GUARANTEE:**

2,4-DB 625 g/L (present as iso-octyl ester)

**READ THE LABEL AND ATTACHED  
BOOKLET BEFORE USING**

For use in seedling alfalfa, birdsfoot trefoil,  
clovers, cereals, corn, and pastures.

REGISTRATION NO. 19217

PEST CONTROL PRODUCTS ACT

Nufarm Agriculture Inc.

5507 1<sup>st</sup> Street SE

Calgary, Alberta T2H 1H9

24 Hour Emergency

Response Number

1-800-424-9300

CAUTION POISON

10 Litres

EMBUTOX is a registered trademark of Nufarm Agriculture Inc.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes IMMEDIATELY. Avoid breathing spray mist. After use wash hands and other exposed skin. Avoid spray drift. Avoid contamination of ponds, streams, rivers and other water sources.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U. S. visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

This product contains a petroleum distillate which is moderately to highly 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.

**FIRST AID:**

**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.

**In case of skin or clothing contact** 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:**

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. This product contains an aromatic hydrocarbon solvent.

**STORAGE CONDITIONS:**

May be stored at any temperature.  
SHAKE WELL BEFORE USING.

**DISPOSAL:**

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.

**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.

30-NOV-2007

2007-7679

Booklet

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#### **DIRECTIONS:**

##### **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, Embutox 625 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Embutox 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 Embutox 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 Nufarm Agriculture Inc. at 1-800-868-5444 or at [www.nufarm.ca](http://www.nufarm.ca).

**WEATHER: Apply EMBUTOX 625 in warm weather when plants are growing well. Do not apply in drought conditions.**

**MIXING:** Wash sprayer thoroughly before and after use. To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of EMBUTOX 625 and stir thoroughly. Add the remainder of the water and mix before spraying.

**SPRAY VOLUME:** Equip the spraying machine with nozzle tips to apply 150 to 200 litres of water per hectare using a pressure not exceeding 275 kPa. Before use, calibrate the machine to ensure that the correct application rate is obtained.

**TIMES AND RATES OF APPLICATIONS:**

Use the dose required to control the weeds present, provided it **does not** exceed the maximum recommended for the crop. A water volume of 150 to 200 litres per hectare is recommended. Spray when the crop and weeds are growing well and the weeds are at a susceptible stage. **DO NOT APPLY BY AIR.**

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**CROP:**

Seedling Alfalfa and Birdsfoot Trefoil: Direct or underseeded

**APPLICATION TIME:**

From the first to the fourth trifoliate leaf stage. For companion crop see below.

**RECOMMENDED RATE PER HECTARE:** 1.75 – 2.25 L

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**CROP:**

Seedling Clovers, Direct or Underseeded

**APPLICATION TIME:**

As soon as possible after the first trifoliate leaf stage.

DO NOT spray Sweet Clover with EMBUTOX 625.

Red clover may be damaged by EMBUTOX 625.

TROPOTOX PLUS is recommended for use in pure stands of Red Clover.

**RECOMMENDED RATE PER HECTARE:** 1.75 – 2.25 L

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**CROP:**

Cereals: Wheat, Barley and Oats

**APPLICATION TIME:**

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

**NOTE:** Oats may be damaged if treated before the recommended growth stage.

**RECOMMENDED RATE PER HECTARE:** 1.75 – 2.25 L

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**CROP:**

Field Corn

**APPLICATION TIME:**

After the crop is 38 cm high but before the beginning of tasseling.

Drop nozzles should be used.

**RECOMMENDED RATE PER HECTARE: 1.75 – 2.75 L**

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**CROP:**

Pasture Containing Forage Legumes

**APPLICATION TIME:**

After cutting or grazing preferably when regrowth is not above 7.5 cm high. For the control of narrow-leaved hawk's beard and yellow rocket in dormant established alfalfa only, apply Embutox 625 at the rate of 2.25 – 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.

**NOTE:** Damage, especially to established alfalfa, may occur and is likely to increase in severity the longer treatment is delayed beyond the stage recommended above. Where thistle, yellow rocket or chicory are present grazing is preferable to cutting.

**RECOMMENDED RATE PER HECTARE: 1.75 – 2.75 L**

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**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), Weeds on Label

**APPLICATION TIME:**

One ground application according to weed and crop stage as per label and 2-4 leaf stage of seedling grasses.

**RECOMMENDED RATE PER HECTARE: 1.75 – 2.25 L**

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**DO NOT** use EMBUTOX 625 on crops other than those recommended above.

**DO NOT** use treated crops for grazing of livestock or green feed until 30 days after application of Embutox 625. Do not cut treated crops for forage until 30 days after application of EMBUTOX 625.

**WEEDS CONTROLLED WITH 1.75 L EMBUTOX 625 PER HECTARE:**

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.

**\*NOTE:** Wild mustard plants beyond the 4-leaf stage are not likely to be controlled by EMBUTOX 625 alone. For better wild mustard control in seedling alfalfa and birdsfoot trefoil, EMBUTOX 625 at the reduced rate of 1.25 L/ha may be tank-mixed with MCPA salt at 35 g active ingredient/ha. This tank-mix may increase crop stunting.

**WEEDS CONTROLLED WITH 2.25 - 2.75 L EMBUTOX 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.
Bull thistle:	Spray at rosette stage.
Perennial sow-thistle:	Spray at rosette stage.
Chicory:	Spray at rosette stage.
Canada thistle:	Spray from 15 cm to early bud stage for top growth control.
Curled dock:	Young plant killed or stunted.
Plantain:	Spray before flowering.
Field bindweed:	Best sprayed in late summer; top growth Checked by spring treatment.
Yellow rocket:	Spray from the third week of September to the middle of October.
Narrow-leaved hawk's beard	Best results are obtained by spraying in the rosette stage in the late fall after alfalfa has become dormant but weeds are still growing.

**WEEDS MODERATELY SUSCEPTIBLE TO 2.75 L  
EMBUTOX 625 PER HECTARE:**

Horsetail:	Spray when 10 to 13 cm high to check top growth.
Dandelion:	Checked if sprayed before bud stage.
Lady's-thumb:	Seedlings only stunted.
Green smartweed:	Seedlings only stunted.

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