

(Booklet)

GROUP	4	HERBICIDE
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IPCO Cobutox[®] 600

EMULSIFIABLE CONCENTRATE HERBICIDE

AGRICULTURAL

FOR WEED CONTROL IN SEEDLING ALFALFA, BIRDSFOOT TREFOIL, PASTURES,
AND SEEDLING FORAGE GRASSES

READ THE LABEL BEFORE USING

GUARANTEE: 2,4-DB 600 g/L
(Present as Iso-Octyl Ester)

REGISTRATION NO: 22404
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **10 litres**

DANGER POISON

Eye Irritant

Interprovincial Cooperative Limited, P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9

1-204-233-3641

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DIRECTIONS FOR USE

SECTION 1

Crop: Seedling Alfalfa and Birdsfoot Trefoil (direct or underseeded)
NOTE: Do not apply if crop is to be used for seed production later in the season.
Treatment Stage: Ground or Aerial Application. Treat from 1st to 4th trifoliolate leaf stage. For companion crop see below.

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SECTION 2

Crop: SEEDLING CLOVERS (direct and underseeded)
NOTE: Do Not Spray Sweet Clovers. Red and Alsike Clovers may be damaged.
Treatment Stage: Ground or Aerial Application. Treat as soon as possible after the first trifoliolate leaf appears.

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SECTION 3

Crop: CEREALS (WHEAT, OATS, BARLEY)
Treatment Stage: Ground or Aerial Application. Apply **after** the crop has 5 fully expanded leaves but before the early flag leaf stage.
Oats will be damaged if treated before the 5 leaf stage.

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SECTION 4

Crop: FIELD CORN
Treatment Stage: Ground Application ONLY. Apply after crop is at least 40 cm high but before tasseling. Use drop nozzles to avoid spraying corn leaves.

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SECTION 5

Crop: PASTURES CONTAINING FORAGE LEGUMES
Treatment Stage: Ground or Aerial Application. Treat after cutting or grazing when growth is not above 7.5 cm in height. Damage may occur if crop is sprayed beyond this stage.

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SECTION 6

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)
Treatment Stage: Ground application only, at the 2-4 leaf stage of the seedling grasses. See special notes on maximum rates. NOT INTENDED FOR GRASS CROPS GROWN FOR FORAGE OR HAY IN THE YEAR OF APPLICATION.

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SECTION 7

Weeds Controlled and Rates of Application:

Annual Weeds

	Rate
Wormseed Mustard, Wild Mustard, Ball Mustard, Stinkweed, Ragweed, Redroot Pigweed, Shepherd's Purse, Lamb's-Quarters. (Treat Wild Mustard up to the 4-leaf stage. See Section 8 for treatment of more advanced Wild Mustard plants.)	1.8 L/ha
Oak-leaved Goosefoot, Wild Buckwheat, Wild Radish. (Note: Best control occurs when weeds sprayed in the 1-2 leaf stage.)	2.3 L/ha
Lady's-thumb, Green Smartweed. Seedlings stunted only, but competitive ability is reduced.	2.8 L/ha

Perennial Weeds

	Spray Stage	Rate
Bull Thistle	Rosette to early bud	1.8-2.8 L/ha
Perennial Sow Thistle	Rosette	
Canada Thistle	Top growth only. Spray from 15 cm to early bud.	
Curled Dock	Early growth	
Plantain	Before flowering	
Field Bindweed	Top growth reduced. For best results spray in late summer.	2.3 L/ha
Yellow Rocket	Spray between 3rd week in September and middle of October.	
Chicory	Rosette stage	
Narrow Leafed Hawksbeard	Rosette stage in fall after legume growth ends.	
Dandelion	Top growth only. Spray before bud stage.	2.8 L/ha
Horsetail	Top growth only. Spray when 10-12 cm high.	2.8 L/ha

IMPORTANT NOTICE:

Use lower rates on susceptible weeds in the seedling stage. Use the higher rates for older, heavy weed infestations and under poor growing conditions. Do not exceed recommended rate and apply at appropriate growth stage for each crop. **DO NOT EXCEED 2.3 L/ha ON SEEDLING FORAGE GRASSES.** Apply product in warm weather. Do not apply under drought conditions. **DO NOT** use treated crops for grazing of livestock or green feed until 30 days after application of Cobutox 600. Do not cut treated crops for forage until 30 days after application of Cobutox 600.

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SECTION 8

Tank mix with MCPA

To improve wild mustard and narrow leafed hawksbeard control in seedling Alfalfa and Birdsfoot Trefoil.

Weed Stage

Apply Cobutox 600 alone on mustard at 4 leaf stage or less. Treat Wild Mustard beyond the 4-leaf stage as follows:

Rates

Cobutox 600	1.3 L/ha
+ MCPA Amine 500	+ 70 mL/ha

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SECTION 9

MIXING AND APPLICATION

1. Fill tank 1/2 full of water. Start agitation.
2. Add Cobutox 600.
3. When MCPA Amine 500 is used, add and mix before adding Cobutox 600.
4. Complete filling of the tank.
5. Use 150-200 litres of water per hectare for application by ground equipment.
6. Do not exceed 275 kpa of pressure for ground application.

Use Precautions for Aerial Application (to cereal crops, established pastures and underseeded and direct seeded forages.)

1. Use special care in aerial application where damage from drift can be greater.
2. Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
3. A minimum volume of 30 L per hectare of spray solution should be used. Use boom pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
4. Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
5. Coarse sprays are less likely to drift. Use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying avoid combinations of pressures and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
6. Do not use human flaggers.
7. Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or a continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray. Do not spray in winds exceeding 8 km per hour.
8. Buffer zones: Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.
9. Reduced water volumes used with aerial applications will lead to increased injury to forage legumes.
10. 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.*

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SECTION 10

ENVIRONMENTAL PRECAUTIONS

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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Cobutox 600 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Cobutox 600 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 Cobutox 600 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 Interprovincial Cooperative Ltd. at 1-204-233-3461.

PRECAUTIONS

1. **KEEP OUT OF THE REACH OF CHILDREN.**
2. Do not get in eyes, on skin or clothing. Wear goggles or face shield, suitable chemical resistant gloves and protective clothing while handling. **DO NOT INHALE VAPOURS OR MIST. WEAR A RESPIRATOR SUITABLE FOR ORGANIC VAPOURS DURING MIXING, LOADING, SPRAYING AND CLEAN-UP.**
3. Causes eye irritation. Harmful if inhaled or swallowed. May be harmful if absorbed through the skin.
4. **When tank-mixing, observe the most stringent precautionary measures for handling and mixing stated on both product labels.**
5. When handling, do not eat, drink or smoke. Take a shower daily, immediately after application. Wear freshly laundered clothing daily. Handle with care and mix only in a closed container. Use only in a well ventilated area.

6. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
7. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
8. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible.
9. Do not contaminate any body of water. Avoid contamination of foods.
10. Do not use in a greenhouse.
11. Keep in original container during storage.
12. Do not store near or in same room as seeds, feeds, or fertilizers.
13. Keep away from fire or open flame and other sources of heat.
14. Clean spray equipment thoroughly after use. Do not use spray equipment for other purposes. Do not re-use empty containers.
15. Do not graze treated seedling grasses or cut them for forage in year of application as insufficient data is available to support such use.
16. 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 U.S., visit CropLife Canada's web site at: www.croplife.ca.

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SECTION 11

FIRST AID

1. 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.
2. 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.
3. 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.
4. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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SECTION 12

TOXICOLOGICAL INFORMATION: No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive. Contains petroleum distillates. Do not induce vomiting.

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SECTION 13

DISPOSAL INFORMATION

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 control product is to be used only in accordance with the directions on this label. It is an offense 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.

(Base label)

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REGISTRATION NO: 22404
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NET CONTENTS: **10 litres**

DANGER POISON

Eye Irritant

Interprovincial Cooperative Limited, P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9

1-204-233-3461

®T.M. Reg'd.
RC 866-0702

(Back Panel)

Cobutox 600

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