

2019-0929
2019-07-02

(BOOKLET)

Group	4	Herbicide
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**IPCO
COBUTOX® 625
Herbicide**

Emulsifiable Concentrate

AGRICULTURAL

For weed control in seedling
Alfalfa, Birdsfoot Trefoil,
Pastures, and Seedling Forage Grasses.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: 2,4-DB 625 g/L
(Present as 2-Ethyl Hexyl Ester)

**REGISTRATION NO. 27911
PEST CONTROL PRODUCTS ACT**

NET CONTENTS: 10 litres



CAUTION

POISON

Interprovincial Cooperative Limited
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9
1-204-233-3461

®T.M. Reg'd.

RC 561-0715

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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 season.

Treatment Stage: Ground Application. Treat from 1st to 4th trifoliolate leaf stage. PRECAUTION: Substantial crop injury and reduction in forage dry matter may occur when IPCO Cobutox 625 Herbicide is applied in accordance with the label.

GO TO SECTION 6

SECTION 2

Crop **SEEDLING CLOVERS (direct and underseeded)**
NOTE: DO NOT Spray Sweet Clover.
Red and Alsike Clovers may be damaged. IPCO Clovitox Plus is recommended for use in pure stands of Red Clover.

Treatment Stage: Ground Application. Treat as soon as possible after the first trifoliolate leaf appears. PRECAUTION: Substantial crop injury and reduction in forage dry matter may occur when IPCO Cobutox 625 Herbicide is applied in accordance with the label.

GO TO SECTION 6

SECTION 3

Crop **CEREALS (Wheat, Oats, Barley)**

Treatment Stage: Ground 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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GO TO SECTION 6

SECTION 4

Crop **PASTURES CONTAINING FORAGE LEGUMES**

Treatment Stage: Ground 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.

GO TO SECTION 6

SECTION 5

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.

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SECTION 6

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.	1.75 L/ha
*Treat up to the 4-leaf stage. (See Section 8 for treatment of more advanced Wild Mustard plants.)	
Oak-leaved Goosefoot, Wild Buckwheat, Wild Radish. Note: Best control occurs when weeds are sprayed in the 1-2 leaf stage.	2.25 L/ha
Lady's-thumb, Green Smartweed. Seedlings stunted only, but competitive ability is reduced.	2.75 L/ha

Perennial Weeds	Spray Stage	Rate
Bull Thistle	Rosette to early bud	2.25 - 2.75 L/ha
Perennial Sow Thistle	Rosette	2.25 - 2.75 L/ha
Canada Thistle	Top growth only. Spray from 15cm to early bud.	2.25 - 2.75 L/ha
Curled Dock	Early growth	2.25 - 2.75 L/ha
Plantain	Before flowering	2.25 - 2.75 L/ha
Field Bindweed	Top growth reduced. For best results spray in late summer.	2.25 - 2.75 L/ha
Yellow Rocket	Spray between 3rd week in September and middle of October.	2.25 - 2.75 L/ha
Chicory	Rosette stage	2.25 - 2.75 L/ha
Narrow-leaved hawk's beard	Rosette stage in fall after legume growth ends.	2.25 L/ha
Dandelion	Top growth only. Spray before bud stage.	2.75 L/ha
Horsetail	Top growth only. Spray when 10-12 cm high.	2.75 L/ha

IMPORTANT NOTES: Use lower rate on susceptible weeds in the seedling stage. Use the higher rates for older, heavy weed infestations and under poor growing conditions.

MAXIMUM RECOMMENDED RATES FOR CROPS:

Seedling alfalfa, birdsfoot trefoil, seedling clovers, cereals, seedling forage grasses	2.25 L/ha
■ Pastures containing legumes	2.75 L/ha

DO NOT exceed recommended rate and apply at appropriate growth stage for each crop. Apply product in warm weather. DO NOT apply under drought conditions. Application must be made before the crop shields the weeds. A minimum rotational crop plant-back interval of 30 days must be observed for crops other than those listed on the label. DO NOT use treated crops for grazing of livestock or green feed or cut for forage or hay until 30 days after application.

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.

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 Drift Mitigation page of the Pesticides section of Canada.ca.

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SECTION 7

Tank-mix with MCPA: To improve wild mustard and narrow-leaved hawk's beard control in seedling Alfalfa and Birdsfoot Trefoil.

Weed Stage: Apply Cobutox 625 alone on mustard at 4 leaf stage or less. Treat Wild Mustard beyond the 4-leaf stage as follows:

Rates: Cobutox 625 1.25 L/ha
+ MCPA Amine 600 (or 500) +58.3 mL/ha (70 mL/ha for MCPA Amine 500)

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SECTION 8

MIXING AND APPLICATION

1. Fill tank 1/2 full of water. Start agitation.
2. Add Cobutox 625.
3. When MCPA Amine 600 (or 500) is used, add and mix before adding Cobutox 625.
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.
7. TRANSFER SYSTEM: FOR CONTAINERS LARGER THAN 20 L: Use a transfer system that avoids open

pouring when transferring the liquid concentrate from such containers into the spray tank.

SECTION 9

GENERAL PRECAUTIONS

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

This product contains aromatic petroleum distillates, which are toxic to aquatic organisms. TOXIC to non-target terrestrial plants. Observe buffer zones specified under Section 6. Avoid contamination of ponds, streams, rivers and other water sources. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment. To reduce runoff from treated areas into aquatic habitats avoid application to area 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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Cobutox 625 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Cobutox 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 Cobutox 625 or other Group 14 herbicide 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 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.
3. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab. If mixing and loading more than 247 kg a.e. (395.2 L) in a day, a closed mix/load system is required. For ground boom application, if applying more than 247 kg a.e. (395.2 L) in a day, a closed cab tractor is required.
4. Rinse gloves before removal. After use wash hands and other exposed skin. AVOID INHALING VAPOURS OR MIST.
5. DO NOT APPLY BY AIR.

6. **When tank-mixing, observe the most stringent precautionary measures for handling and mixing stated on both product labels.**
7. When handling, do not eat, drink or smoke. Take a shower daily, immediately after application. Wear freshly laundered clothing daily.
8. Handle with care and mix only in a closed container. Use only in a well ventilated area.
9. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
10. Do not contaminate any body of water. Avoid contamination of foods.
11. **DO NOT** enter or allow workers to enter treated areas during the restricted-entry intervals (REIs) specified in the following table:

Crop	Postapplication 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 legume	All activities	12 hours

12. Keep in original container during storage. Do not re-use container unless otherwise specified
13. Clean spray equipment thoroughly after use.
14. 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.
15. Store the container tightly closed away from seeds, fertilizers, plants and foodstuffs. May be stored at any temperature. **SHAKE WELL BEFORE USING.**

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SECTION 10

FIRST AID

1. **IN CASE OF POISONING**, call a physician or contact poison control centre **IMMEDIATELY**.
2. **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.
3. **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.
4. **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.
5. **IF INHALED**, move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
6. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

GO TO SECTION 11

SECTION 11

TOXICOLOGICAL INFORMATION

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

GO TO SECTION 12

SECTION 12

DISPOSAL INFORMATION

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 emptied 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 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 Returnable/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.

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

2019-0929
2019-07-02

(Base label)

Group	4	Herbicide
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IPCO
COBUTOX® 625
Herbicide

Emulsifiable Concentrate

AGRICULTURAL

For weed control in seedling
Alfalfa, Birdsfoot Trefoil,
Pastures, and Seedling Forage Grasses.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: 2,4-DB 625 g/L
(Present as 2-Ethyl Hexyl Ester)

REGISTRATION NO. 27911
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 10 litres



CAUTION

POISON

Interprovincial Cooperative Limited
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9
1-204-233-3461

®T.M. Reg'd.

RC 561-0715

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RINSING AND DISPOSAL INFORMATION

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