

2011-5024  
2011-11-22

BASE

**GROUP 4 HERBICIDE**

**MECOPROP-P  
HERBICIDE  
LIQUID**

**COMMERCIAL**

**CAUTION      POISON**

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

**GUARANTEE: MECOPROP-P (present as potassium salt) 150 g a.e./L**

**REGISTRATION NO. 27891  
PEST CONTROL PRODUCTS ACT**

**LOVELAND PRODUCTS CANADA INC.  
789 Donnybrook Drive  
Dorchester, Ontario  
N0L1G5  
1-800-265-4624**

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

**NET CONTENTS: 10 L**

**07/10**

DATAPAK

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## **DIRECTIONS FOR USE**

Liquid Weed Killer for Turf, Golf Greens and Fairways as well as cereals. **DO NOT APPLY BY AIR.**

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.

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 website at [www.croplife.ca/](http://www.croplife.ca/).

## **RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, MECOPROP-P is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MECOPROP-P 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 MECOPROP-P 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, 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 Technical Service at 1-800-265-4624 or at [www.uap.ca](http://www.uap.ca).

**WEATHER**— Apply in warm weather under good growing conditions. Avoid spraying in very hot weather or in drought conditions.

**MIXING**— To ensure even mixing half fill the sprayer tank with clean water, add the required amount of MECOPROP-P and stir thoroughly. Add the remainder of the water and mix before spraying.

**SPRAY VOLUME**— Equip the machine with nozzle tips to apply 300 to 400 litres of water per hectare using a pressure not exceeding 275 kPa. Before using, calibrate the machine to ensure that the correct application rate is obtained. On small areas MECOPROP-P may be applied at the recommended rates in 10 L/100 m<sup>2</sup>. It is recommended that the grass is not cut for 3 or 4 days before or after spraying. Do not water for 24 hours after treatment. Treatment may be repeated if necessary. MECOPROP-P may act more slowly than some weed killers and up to three weeks may elapse before effect on the weeds becomes apparent.

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

### **WEED CONTROL IN TURF, GOLF GREENS & FAIRWAYS**

MECOPROP-P may be used on Red fescue, Blue grasses, Bent grasses and Rye grasses when applied according to the directions below.

### **APPLICATION RATES**

Seedling grasses: 60 mL/100 m<sup>2</sup>, 5.5 L/ha (should be at least 2.5 cm high at spraying). Established Turf: 90 mL/100 m<sup>2</sup>, 8.5 L/ha. Maximum application frequency to turf: For good turf/lawn management, normally two applications per year per treatment site are adequate. This does not include spot treatments.

### **FOR FAIRWAYS AND LAWNS**

For mixed weed populations, add 3L of MCPA Amine 500 to 6.6L of MECOPROP-P.

### **WEEDS CONTROLLED**

#### **SUSCEPTIBLE:**

Seedlings: Use 60 mL/100 m<sup>2</sup>; 5.5 L/ha

Established Plants: Use 90 mL/100 m<sup>2</sup>; 8.5 L/ha

Spray when the plants are growing vigorously.

Common chickweed (*Stellaria media*)

Mouse-ear chickweed (*Cerastium vulgatum*)

Plantain (*Plantago* sp.)

Clover (*trifolium* spp.)

#### **MODERATELY SUSCEPTIBLE:**

Use 90 mL/100 m<sup>2</sup>; 8.5 L/ha

Buttercup (*Ranunculus* spp). Spray before flowering.

Creeping Charlie (*Glechoma hederacea*). In early June or September.

Black Medick (*Medicago lupulina*). When young and growing fast.

Where Dandelion is present MECOPROP-P+ 2,4-D is recommended.

**WHEAT, BARLEY AND OATS:**

MECOPROP-P should be applied under good growing conditions from the time the crop is at the 3-leaf expanded stage until the early flag leaf (shotblade) stage: grain is about 10-15 cm high. DO NOT SPRAY ON GRAIN UNDERSEEDED WITH LEGUMES.

**RATES OF APPLICATION ON CEREALS FOR CONTROL OF:**

- Black Medick
- Canada Thistle (top growth only)
- Chickweed
- Cleavers
- Clover (volunteer)
- Corn Spurry
- Lamb’s Quarters
- Plantain
- Stitchwort
- Wild Mustard

FOR SEEDLING WEEDS USE.....5.5L/ha  
FOR MATURE WEEDS USE.....7L/ha in 200-300Lof water/ha  
For best results apply when the weeds are in the 2-4 leaf stage.

**ROTATIONAL CROP RESTRICTIONS**

A plant-back interval of 30 days is required for all crops other than those listed on this label.

**CAUTION:**

Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

**Buffer zones**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Barley (2-4 leaf stage), (3-leaf stage), wheat (durum and winter),	0	0	1	0	1

	Barley, oats (3-leaf stage), wheat (spring),	1	0	1	1	5
	Golf courses, established turf or lawn	1	0	2	1	10
	Turf in parks	0	0	1	1	5

\*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

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.

### **Leaching**

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

### **Run-off**

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.

## **ENVIRONMENTAL HAZARDS**

Toxic to birds, small wild mammals, aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

## **PRECAUTIONS**

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

Store with container tightly closed, and away from seeds, fertilizers, plant food-stuffs and greenhouses. Protect from freezing. Avoid spray drift on to susceptible crops. Wash sprayer thoroughly before and after use. Avoid contamination of ponds, streams, rivers and water sources. After use wash hands and skin contaminated by spray or concentrate.

**HANDLING THE CONCENTRATE (MIXING AND LOADING):** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when open pouring from containers greater than 5 L.

**HANDLING THE DILUTE SPRAY SOLUTION (DURING APPLICATION OR REPAIRING OR CLEANING EQUIPMENT):** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

**FIRST AID**

**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. 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 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:** Treat symptomatically.

**DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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 this label. It is an offence under the 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.

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