

(sleeve)

GROUP	4	HERBICIDE
-------	---	-----------

NUFARM

COMPITOX
Liquid Herbicide

CONTAINS MECOPROP-P SALT SOLUTION

For turf, golf greens, fairways, wheat, oats and barley

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Mecoprop-P, present as potassium salt...150 g a.e./L

REGISTRATION NO. 27824 PEST CONTROL PRODUCTS ACT

CAUTION POISON

(4 – 200) Litres

Nufarm Agriculture Inc.
5101, 333 - 96th Ave NE
Calgary, Alberta T3K 0S3
1-800-868-5444

24 Hour Emergency Response Number 1-800-424-9300

PRECAUTIONS:**KEEP OUT OF REACH OF CHILDREN.**

Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Do not inhale fumes. Avoid breathing spray mist. After use wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid spray drift. Avoid contamination of ponds, streams, rivers and other water sources. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs.

Handling the concentrate (mixing and loading): Wear 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 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.

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.

FIRST AID:

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 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 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.

ENVIRONMENTAL HAZARDS

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

RUNOFF:

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.

LEACHING:

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

STORAGE:

Store at temperatures above 0°C. SHAKE WELL BEFORE USING.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProSAR, 1-877-325-1840.

For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

DISPOSAL:

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 Returnable Containers:

Do not use this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For 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 use 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. The user assumes the risk to persons or property that arises from any such use of this product.

(booklet)

GROUP	4	HERBICIDE
-------	---	-----------

NUFARM

COMPITOX
Liquid Herbicide

CONTAINS MECOPROP-P SALT SOLUTION

For turf, golf greens, fairways, wheat, oats and barley

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Mecoprop-P (present as potassium salt)...150 g a.e./L

REGISTRATION NO. 27824 PEST CONTROL PRODUCTS ACT

CAUTION POISON

Nufarm Agriculture Inc.
5101, 333 - 96th Ave NE
Calgary, Alberta T3K 0S3
1-800-868-5444

24 Hour Emergency Response Number 1-800-424-9300

PRECAUTIONS:**KEEP OUT OF REACH OF CHILDREN.**

Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Do not inhale fumes. Avoid breathing spray mist. After use wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid spray drift. Avoid contamination of ponds, streams, rivers and other water sources. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs.

Handling the concentrate (mixing and loading): Wear 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 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.

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.

FIRST AID:

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 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 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.

ENVIRONMENTAL HAZARDS

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

RUNOFF:

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.

LEACHING:

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

STORAGE:

Store at temperatures above 0°C. SHAKE WELL BEFORE USING.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProSAR, 1-877-325-1840.

For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

DISPOSAL:**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 Returnable Containers:

Do not use this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For 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 use 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. The user assumes the risk to persons or property that arises from any such use of this product.

DIRECTIONS FOR USE:**DO NOT APPLY BY AIR.****USE PRECAUTIONS;**

Do not spray on crops which can be damaged, such as peas, beans, sugar beets, tomatoes, clovers, alfalfa, rape (Canola), sunflowers, potatoes, turnips (rutabagas), vegetables, flowers, trees or shrubs.

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

Weather: Apply in warm weather under good growing conditions. Avoid spraying in very hot weather or in drought conditions.

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.

Mixing: To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of COMPITOX Liquid Herbicide and stir thoroughly. Add the remainder of the water and mix before spraying.

Spray Volume: Equip the spraying machine with nozzle tips to apply 300 – 400 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.

On small areas, COMPITOX Liquid Herbicide may be applied at the recommended rates in 10 litres of water per 100 m². It is recommended that the grass is not cut for 3 to 4 days before or after spraying. Do not water for 24 hours after treatment. Treatment may be repeated if necessary. COMPITOX Liquid Herbicide may act more slowly than some weedkillers and up to three weeks may elapse before effect on the weeds becomes apparent.

Rotational Crop Restriction

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

WEED CONTROL IN TURF, GOLF GREENS AND FAIRWAYS:

COMPITOX Liquid Herbicide may be used on Red fescue, Blue grasses, Bent grasses and Rye grasses when applied according to the directions below. To reduce potential drift hazard in non-crop land, LO-DRIFT® may be added. Follow all directions on the LO-DRIFT label for the correct mixing sequence.

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.

APPLICATION RATES:

Seedling grasses: 60mL per 100m². 5.5 litres per hectare (should be at least 2.5 cm high at spraying).

Established turf: 90 mL per 100m². 8.5 litres per hectare.

WEEDS CONTROLLED:

Susceptible as:

Seedlings: Use 60 mL per 100m². 5.5 litres per hectare.

Established Plants: Use 90 mL per 100 m². 8.5 litres per hectare.
Spray when the plants are growing vigorously.

Common chickweed
Mouse-eared chickweed

Plantain
Clover

Moderately Susceptible:

Use 90mL per 100 m². 8.5 litres per hectare.

Buttercup
Creeping Charlie
Black medick
Stitchwort

Canada thistle
Corn spurry
Dandelion

Spray before flowering in early June or September when young and growing fast.

Where dandelion is present, add 2,4-D to this product.

WEED CONTROL IN WHEAT, OATS AND BARLEY:

COMPITOX Liquid Herbicide should be applied under good growing conditions from the time the crop is at the 3-leaf stage until the early flag leaf (shot-blade) stage: grain is about 10-15 cm high. **DO NOT SPRAY ON GRAIN UNDERSEEDED WITH LEGUMES.**

RATES OF APPLICATION ON CEREALS FOR CONTROL OF:

Canada thistle (top growth)	Corn spurry
Chickweed	Plantain
Cleavers	Stichwort
Clovers (volunteer)	

Stage of weed Growth	Rate	Area	Volume of water
Seedlings	5.5L	1 hectare	200-300 L
Mature plants	7.0L	1 hectare	200-300 L

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.

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	Estuarine/Marine Habitats	Terrestrial habitat

		Depths:		of Depths:		
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Wheat, Oats and Barley	1	0	1	1	5
	Golf courses, established turf	1	0	2	1	10

*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.

CLEANING OF SPRAYER:

Do not use weed sprayers for applying any other chemical on crops which may be damaged (see above) without thorough cleaning. To clean sprayer, rinse all parts including pump, hoses and nozzles several times with water. Then fill complete unit with a solution of water and either detergent or household ammonia (1 part to 100 parts of water) and let stand for 24 hours. Rinse several times with clean water.

Even after such cleaning, use of the sprayer may cause damage to susceptible crops, particularly if esters have been used. It is advisable to use the sprayer only on recommended crops. Do not contaminate irrigation water when cleaning sprayer.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, COMPITOX Liquid Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to COMPITOX Liquid Herbicide 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 COMPITOX Liquid Herbicide 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.