

2011-5024  
2011-11-22

GROUP	15	HERBICIDE
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FRONT

**Granular Weed Preventer**  
Granular Herbicide

**COVERS UP TO 22 SQUARE METRES**

**HERBICIDE**  
**DOMESTIC**

Prevents Certain Weeds around Ornamental Trees, Shrubs, Ground Covers, Fruits  
and Flowers

GUARANTEE:

Napropamide.....2%

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO. 28731  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 500 g

Registrant:  
Loveland Products Canada Inc.  
789 Donnybrook Drive  
Dorchester, Ontario  
N0L 1G5  
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

## **PRECAUTIONS**

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

May be harmful if swallowed.

Avoid contact with skin, eyes and clothing. Wash thoroughly after use. Avoid contamination of seed, fertilizer, food and feed. Wear long pants, a long-sleeved shirt and chemical-resistant gloves during mixing/loading, clean-up and repair activities. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

## **TOXICOLOGICAL INFORMATION**

Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## **FIRST AID**

**IF SWALLOWED:** Contains petroleum distillates. 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.

**IF ON SKIN/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 mouth-to-mouth if possible. Call a poison control centre or doctor for treatment advice.

**GENERAL:** Never give anything by mouth to an unconscious person. Remove person to a safe and uncontaminated area. Seek medical attention immediately if irritation persists or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **ENVIRONMENTAL HAZARDS**

Keep out of lakes, streams and ponds. Do not contaminate any body of water, including irrigation water or water used for domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 of equipment.

## **STORAGE**

Do not store near food, feed, seed or fertilizer. Keep container tightly closed when not in use. Store in a cool, dry place.

## **DECONTAMINATION AND DISPOSAL:**

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.

**CONTAINER DISPOSAL:**

1. Wrap empty bag in newspaper.
2. Dispose of with household trash.

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**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.

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## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, Granular Weed Preventer is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to Granular Weed Preventer and other Group 15 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 Granular Weed Preventer or other Group 15 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 Loveland Products Canada Inc. at 1-800-265-4624 or at [www.uap.ca](http://www.uap.ca).

## **STORAGE**

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## **DIRECTIONS FOR USE**

It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area during application.

### **USE PRECAUTIONS**

Read all label directions before using. Apply this product only as specified on this label. Use only for recommended purposes and at recommended rates. Do not overdose.

### **USE INFORMATION**

Granular Weed Preventer controls many annual grass and broadleaf weeds as they germinate. Granular Weed Preventer can be applied all year to control germinating weeds. Granular Weed Preventer does not control established weeds. It must be applied to freshly weeded soil before weeds germinate or during fall and winter months.

Granular Weed Preventer can be applied as a band or broadcast application to newly planted container-grown ornamentals after soil has settled from first watering to established plants.

Granular Weed Preventer needs to be incorporated into the soil (such as cultivating it in, adequate watering or natural moisture (rainfall or snow)) for optimum results. The treatment must reach the zone of weed seed germination. If rainfall does not occur within 7 days for a spring or fall application or 2 days for a summer application (June, July and August), a shallow incorporation to a depth of 2.5 to 5 cm or a watering with sufficient water to wet the soil to a depth of 5 to 10 cm is necessary.

Fall and winter applications will provide excellent weed control the following spring and summer.

### **WEEDS CONTROLLED**

#### **ANNUAL GRASSES**

Annual Bluegrass ( <i>Poa annua</i> )	Large Crabgrass ( <i>Digitaria sanguinalis</i> )
Barnyard grass ( <i>Echinochloa spp.</i> )	Sandbur ( <i>Cenchrus spp.</i> )
Foxtail ( <i>Setaria spp.</i> )	Wild Oats ( <i>Avena fatua</i> )

## ANNUAL BROADLEAF WEEDS

Annual Sowthistle ( <i>Sonchus oleraceus</i> )	Prostrate Knotweed ( <i>Polygonum aviculare</i> )
Chickweed ( <i>Stellaria media</i> )	Purslane ( <i>Portulaca oleracea</i> )
Groundsel ( <i>Senecio spp.</i> )	Redroot Pigweed ( <i>Amaranthus retroflexus</i> )
Lambsquarters ( <i>Chenopodium album</i> )	Small flowered Mallow* ( <i>Malva parviflora</i> )
Pineapple weed ( <i>Matricaria matricarioides</i> )	Stork's bill ( <i>Erodium cicutarium</i> )
Prickly Lettuce ( <i>Lactuca scariola</i> )	

\*From Seed

## AREAS OF USE – Ornamental Plantings, Ground Covers, Shrubs, Fruit and Nut Trees

Apply over small established ornamental plants or around larger plants in flower beds, container plantings, ornamental landscapes and ground covers, or potted ornamentals grown for aesthetic purposes. Do not use where plants are seeded.

### Ornamental Plantings

Consult List of Ornamentals on which Granular Weed Preventer can be used. Apply Granular Weed Preventer either as a band or broadcast application. Application can be made anytime of the year to weed free soil. However, since Granular Weed Preventer requires rainfall or irrigation with sufficient water to wet the soil to a depth of 5 to 10 cm soon after application for adequate weed control, application should be timed to take advantage of rainfall if irrigation is not available. Fall and winter applications will provide excellent weed control the following spring and summer.

Thorough incorporation of Granular Weed Preventer into the soil to a depth of 2.5 – 5 cm will provide excellent weed control with less rainfall required. One application of Granular Weed Preventer should provide adequate weed control for a growing season in temperate areas.

### Container-Grown Ornamentals

Consult List of plant species on which Granular Weed Preventer can be used. Apply Granular Weed Preventer as a broadcast application over the containers. Normal irrigation or rainfall (if a fall or winter application is made in cold areas) should provide sufficient water for satisfactory weed control.

Granular Weed Preventer is recommended on several different container potting soil mixtures. These mixtures include those containing 30 percent soil and/or sand mixtures containing no soil. (Example: perlite, peat, bark, sawdust and sand).

### Ground Covers

Consult the list of plant species on which Granular Weed Preventer may be used. Apply Granular Weed Preventer as a broadcast treatment over the ground covers. Irrigate immediately with sufficient water to wet the soil to a depth of 5 to 10 cm or apply when rainfall is expected.

## APPLICATION RATES



For control of the listed weeds, apply 23 grams of Granular Weed Preventer per square meter ( this 500 g package per 22 square meters).

Spread evenly on the soil surface using the shaker can or granular herbicide applicator. Do not apply when weather conditions favor drift from intended treatment area.

## LIST OF ORNAMENTALS, GROUND COVERS AND SHRUBS

### FLOWERS

African daisy ( <i>Dimorphotheca aurantiaca</i> and <i>D. sinuata</i> )	Geranium ( <i>Geranium spp.</i> )
Aster ( <i>Aster spp.</i> )	Daffodils ( <i>Narcissus spp.</i> )
Dahlia ( <i>Dahlia spp.</i> )	Petunia ( <i>Petunia hybrida</i> )
Daisy ( <i>Chrysanthemum spp.</i> )	Plantain lily (hosta) ( <i>Hosta spp.</i> )

### DECIDUOUS AND EVERGREEN TREES

Maple ( <i>Acer spp.</i> )	Hemlock ( <i>Tsuga spp.</i> )
Ash ( <i>Fraxinus spp.</i> )	Japanese larch ( <i>Larix kaempferi</i> )
Birch ( <i>Betula spp.</i> )	Laburnum ( <i>Laburnum spp.</i> )
Black Walnut ( <i>Juglans nigra</i> )	Flowering crab apple tree ( <i>Malus spp.</i> )
Cedar ( <i>Juniperus spp.</i> )	Spruce ( <i>Picea spp.</i> )
Hawthorn ( <i>Crataegus spp.</i> )	Pin oak ( <i>Quercus palustris</i> )
Cypress ( <i>Cupressus spp.</i> )	Pine ( <i>Pinus spp.</i> )
Dogwood ( <i>Cornus florida</i> )	Pittosporum ( <i>Pittosporum tobira</i> )
Douglas fir ( <i>Pseudotsuga menziesii</i> )	Podocarpus ( <i>Podocarpus macrophyllus</i> )
Eucalyptus ( <i>Eucalyptus spp.</i> )	Poplar, Cottonwood, Aspen ( <i>Populus spp.</i> )
Fir ( <i>Abies spp.</i> )	Cherry, Peach, Plum, Apricot ( <i>Prunus spp.</i> )
Honey-locust ( <i>Gleditsia tricanthos</i> )	Pear ( <i>Pyrus spp.</i> )

## DECIDUOUS AND EVERGREEN SHRUBS

Abelia ( <i>Abelia spp.</i> )	Holly, Yaupon ( <i>Ilex spp.</i> )
Asparagus (Sprengeri) ( <i>Asparagus densiflorus</i> and <i>A. sarmentosus</i> )	Juniper ( <i>Juniperus spp.</i> )
Aucuba ( <i>Aucuba japonica</i> )	Leucothoe ( <i>Leucothoe spp.</i> )
Azalea ( <i>Rhododendron spp.</i> )	Privet ( <i>Ligustrum spp.</i> )
Bottlebrush ( <i>Callistemon spp.</i> )	Heavenly bamboo ( <i>Nandina domestica.</i> )
Boxwood ( <i>Buxus microphylla</i> or <i>B. sempervirens</i> )	Osmanthus ( <i>Osmanthus spp.</i> )
Camellia ( <i>Camellia spp.</i> )	Chokecherry ( <i>Photinia spp.</i> )
Cotoneaster ( <i>Cotoneaster spp.</i> )	Pittosporum ( <i>Pittosporum tobira</i> )
Crepe myrtle ( <i>Lagerstroemia spp.</i> )	Podocarpus ( <i>Podocarpus spp.</i> )
Dogwood ( <i>Cornus florida</i> )	Firethorn ( <i>Pyracantha spp.</i> )
Euonymus ( <i>Euonymus spp.</i> )	Indian Hawthorn ( <i>Raphioloipsis indica</i> )
Forsythia ( <i>Forsythia spp.</i> )	Rhododendron ( <i>Rhododendron spp.</i> )
Hibiscus ( <i>Hibiscus spp.</i> )	Rose ( <i>Rosa spp.</i> )
Honeysuckle ( <i>Lonicera spp.</i> )	Star jasmine ( <i>Trachelospermum asiaticum</i> )
St. John's-wort ( <i>Hypericum spp.</i> )	Yew ( <i>Taxus spp.</i> )
	Viburnum ( <i>Viburnum spp.</i> )

## GROUND COVERS

Carpet Bugleweed ( <i>Ajuga spp.</i> )	Lantana ( <i>Lantana spp.</i> )
Gazania ( <i>Gazania spp.</i> )	Liriope ( <i>Liriope muscari</i> and <i>L. spicata</i> )
English Ivy ( <i>Hedera helix</i> )	Pachysandra or Spurge ( <i>Pachysandra procumbens</i> and <i>P. terminalis</i> )
St. John's-wort ( <i>Hypericum spp.</i> )	Stonecrop ( <i>Sedum spp.</i> )
Ivy ( <i>Hedera spp.</i> )	Periwinkle ( <i>Vinca major</i> or <i>V. minor</i> )

## CONTAINER GROWN ORNAMENTALS

Abelia ( <i>Abelia spp.</i> )	Heather ( <i>Erica spp.</i> )
Agapanthus ( <i>Agapanthus spp.</i> )	Ivy ( <i>Hedera spp.</i> )
Ageratum ( <i>Ageratum houstonianum</i> )	Hibiscus ( <i>Hibiscus spp.</i> )
Asparagus (Sprengeri) ( <i>Asparagus densiflorus</i> and <i>A. sarmentosus</i> )	Holly ( <i>Ilex spp.</i> )
Azalea ( <i>Rhododendron spp.</i> )	Juniper ( <i>Juniperus spp.</i> )
Bottlebrush ( <i>Callistemon spp.</i> )	Leucothoe ( <i>Leucothoe spp.</i> )
Bougainvillea ( <i>Bougainvillea spp.</i> )	Liriope ( <i>Liriope muscari</i> and <i>L. spicata</i> )
Boxwood ( <i>Buxus spp.</i> )	Heavenly bamboo ( <i>Nandina domestica.</i> )
Camellia ( <i>Camellia spp.</i> )	Pachysandra or Spurge ( <i>Pachysandra procumbens</i> and <i>P. terminalis</i> )
Cedar ( <i>Juniperus spp.</i> )	Chokecherry ( <i>Photinia spp.</i> )
Cotoneaster ( <i>Cotoneaster spp.</i> )	Pine ( <i>Pinus spp.</i> )
Crepe myrtle ( <i>Lagerstroemia spp.</i> )	Podocarpus ( <i>Podocarpus spp.</i> )
Cypress ( <i>Cupressus spp.</i> )	Firethorn ( <i>Pyracantha spp.</i> )
Dogwood ( <i>Cornus florida</i> )	Indian Hawthorn ( <i>Raphioloipsis indica</i> )
Douglas fir ( <i>Pseudotsuga menziesii</i> )	Rhododendron ( <i>Rhododendron spp.</i> )
Eucalyptus ( <i>Eucalyptus spp.</i> )	Rose ( <i>Rosa spp.</i> )
Euonymus ( <i>Euonymus spp.</i> )	Stonecrop ( <i>Sedum spp.</i> )
Fir ( <i>Abies spp.</i> )	Star jasmine ( <i>Trachelospermum asiaticum</i> )
Forsythia ( <i>Forsythia spp.</i> )	Thuja ( <i>Thuja occidentalis</i> )
Gardenia ( <i>Gardenia jasminoides</i> )	Periwinkle ( <i>Vinca major</i> or <i>V. minor</i> )
Geranium ( <i>Geranium spp.</i> )	

## Fruit and Nuts

Filbert ( <i>Corylus americana</i> )	Walnut ( <i>Juglans nigra</i> )
Grape ( <i>Vitis spp.</i> )	

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