

2011-08-04

DATAPAK

GROUP	4	HERBICIDE
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PAR III ®

TURF HERBICIDE
SOLUTION

COMMERCIAL



CAUTION

POISON

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

GUARANTEE:

Mecoprop-P, present as dimethylamine salt 100 g a.e./L
2,4-D, present as dimethylamine salt 190 g a.e./L
Dicamba, present as dimethylamine salt 18 g a.e./L

REGISTRATION NO. 27884 PEST CONTROL PRODUCTS ACT

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

LOVELAND PRODUCTS CANADA INC.
789 Donnybrook Drive
Dorchester, Ontario
N0L 1G5
1-800-328-4678

12/11

NET CONTENTS: 1 - 1025 L

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with skin, eyes and clothing. Do not inhale fumes. Avoid breathing spray mist.

DO NOT APPLY BY AIR.

PROTECTIVE CLOTHING AND EQUIPMENT

- **HANDLING THE CONCENTRATE (MIXING AND LOADING):** Wear coveralls over 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 should also be worn when open pouring from containers.
- When handling more than 265 kg a.e. per day (1395 L), workers must also use a closed system.
- **HANDLING THE DILUTE SPRAY SOLUTION (DURING APPLICATION OR REPAIRING OR CLEANING EQUIPMENT):** Wear coveralls over 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.

OPERATOR USE PRECAUTIONS:

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.

MIXING: Shake this product well before using. Half fill the spray tank with clean water. Add the required amount of product and agitate thoroughly. Fill tank with clean water and agitate well before use. **NOTE:** If spray solution has been left standing, agitate thoroughly before use.

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.

USE PRECAUTIONS

Avoid spray drift to any desirable vegetation NOT listed on this label as damage may occur. Avoid contamination of ponds, streams, rivers and other water sources.

Do not spray during periods of high winds when spray is likely to drift. Coarse sprays are less likely to drift.

Do not spray during periods of high temperatures when crops may be under stress as damage to the crop may occur.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, PAR III Turf Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to PAR III Turf 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 PAR III Turf 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, 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 1-800-328-4678 or at www.uap.ca.

SPRAYER: Clean all spray equipment thoroughly before use. Select nozzle tips to apply the recommended volume per hectare. Higher water volumes will reduce the risk of crop injury. Calibrate the sprayer and adjust the boom height to ensure uniform coverage. Nozzles must be in good condition and spraying the same volume. Flat fan nozzle tips are recommended.

CLEANING OF SPRAYER: Thoroughly clean the herbicide sprayer before applying any other chemical on crops which may be damaged (see USE PRECAUTIONS). Wash the outside of the sprayer and drain the tank completely. Remove and clean filters, screens and nozzle tips separately. Fill the sprayer tank with water. With the agitator running flush out the lines and boom, then drain. Fill the sprayer with clean water and use TANK and EQUIPMENT CLEANER or for each 100 L add 1 L household ammonia. Operate the pump and agitator for 15 minutes. If possible, let the solution remain in the tank and hoses overnight, recirculating and drain each time.

DO NOT contaminate irrigation or drinking water when cleaning the sprayer.

TIMING: For best results spray when WEEDS ARE YOUNG AND ACTIVELY GROWING. Apply in good growing conditions.

SPOT TREATMENT: For knapsack application of PAR III Turf Herbicide for spot treatment of weeds such as thistles, mix 200 mL of product in 10 L of water. Wet all foliage thoroughly.

DIRECTIONS FOR USE

PAR III Turf Herbicide is specially formulated for hard-to-kill weeds in turf (parks, lawns, golf courses, etc.). Contains amines of Mecoprop-P, 2,4-D and Dicamba. Controls dandelions, plantain, chickweed, clover, bedstraw, black medick (yellow clover), heal-all, ground ivy (creeping Charlie), knotweed (ironweed), ragweed, shepherd's purse, English daisy, poison ivy, orange hawkweed (devil's paint brush), buttercup.

This product is only effective when applied to the leaves of actively growing weeds. This product does not prevent new weeds - apply only when weeds are present. This product works best when applied to the leaves of actively growing weeds. This product is designed for target treatment of weedy areas of lawns.

If weed populations do not warrant a broadcast application (e.g., entire lawn), consider spot treatments that target only weedy areas.

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/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply to the exposed roots of trees and ornamentals. This product may injure desirable ornamentals and vegetables.

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 TO PROTECT SENSITIVE AQUATIC AND TERRESTRIAL HABITAT

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 tables 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.

Seasonal water bodies require buffer zones if there is water in them during application. Water bodies which do not fill on an annual basis need not be buffered.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:				Terrestrial Habitat
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer*	Golf courses, turf	1	1	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 labeled 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 labeled 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.

TURF (Other than bent grass):

Apply Par III Turf Herbicide at the rate of 5.5 L in 300 L of water per hectare (55 mL in 3 L of water per 100 M²) for adequate coverage. Apply by ground application. DO NOT APPLY BY AIR. Use sufficient water for even distribution. Spray at low pressures (200–275 kPa) when the weeds are actively growing. Maximum kill of weeds will be obtained from spring or early fall application when weeds are actively growing. Avoid applying during long excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours of application. Do not apply to newly seeded turf until after the second or third

mowing. Grass seed can be safely sown 1–2 weeks after application at recommended rate.

BENT GRASS TURF:

In closely mowed bent grass (putting and bowling greens, etc.) apply Par III Turf Herbicide at a maximum rate of 30 mL per 100 m² preferably in May, or mid–August through September. Slight turf yellowing will disappear after about one week.

NOTE: Care should be taken to avoid overdosing bent grasses. Large volumes of spray water (ie 30 mL in 20 L water per 100 M²) will aid in obtaining uniform coverage. If hand–type sprayers are used it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local over application and subsequent turf discoloration or injury.

Avoid mowing for several days before and after treatment. Do not spray within 24 hours of rainfall or during hot, dry periods. Use caution when spraying near sensitive, desirable vegetation as contact with spray drift will cause damage.

FERTILIZER TANK MIX:

For use only on sod that is grown on sod farms and harvested for transplant. PAR III Turf Herbicide is compatible with liquid fertilizers such as Green with Envy. The minimum recommended total volume for ground application is 4-8 L water/m².

As part of a sustainable weed management program, this tank mix should only be used when weed infestation and turf quality require an application of herbicide and fertilizer over the entire surface and the application timing of both coincide.

MAXIMUM APPLICATION FREQUENCY TO TURF: For good turf/lawn management, normally two applications per year per treatment site are adequate. DO NOT apply more than two broadcast applications per season. This does not include spot treatments.

RE–ENTRY INTERVAL FOR TURF: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.

Do not apply more than twice per year. This does not include spot treatments.

ENVIRONMENTAL HAZARDS

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

This product will harm other broadleaved plants in the vicinity of the treatment area. If applying this product using a handheld sprayer, do not directly spray or allow the spray to drift onto ornamentals or gardens.
Do not spray exposed roots of trees and ornamentals.

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 of this product when heavy rain is forecast.

Potential for contamination of aquatic areas as a result of runoff may be reduced by including a strip of untreated vegetation between the treated area and the edge of the water body.

To prevent runoff, **DO NOT** apply to driveways, sidewalks or any other hard surfaces. Do not irrigate within 24 hours after application.

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

This product may cause severe irritation to the eyes, and irritation to the skin and mucous membranes. Symptoms of overexposure to this product may include coughing, burning, dizziness or temporary loss of muscle coordination, muscle weakness, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

STORAGE: Store container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. Protect from freezing. Product exposed to subfreezing temperatures should be warmed to 5°C and mixed thoroughly before using. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination. **SHAKE WELL BEFORE USING.**

DISPOSAL

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

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.

NON-RETURNABLE, NON-REFILLABLE CONTAINERS:

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.

UNUSED, UNWANTED PRODUCT:

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 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.