

34704 - 239

6/3/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

JUN 3 2004

Ms. Glenda Haage
Loveland Products Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Dear Ms. Haage:

Subject: Conversion from MCPP to MCPP-p
Mec Amine-D
EPA Registration No. 34704-239
Your Amendment Application Submission
Dated February 25, 2004

The Agency is conditionally approving an amendment to the registration of the above-referenced product under the authority of section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under this amendment the Agency is approving the conversion of the active ingredient mecoprop from its racemic form [2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salt thereof] to its single isomer form [(+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salt thereof]. The revised labeling and Confidential Statement(s) of Formula submitted in support of the conversion are acceptable with the following provisions:

1. This acceptance is based on your certification that no changes have been made to the Confidential Statement(s) of Formula (CSF) or the product labeling other than those specified within the body of your certification statement. No other revisions are being reviewed or considered with this action.
2. You may sell or distribute product containing the racemic form of mecoprop and bearing the previously approved labeling for 18 months from the date of this letter.

A copy of the revised Confidential Statement of Formula (Basic Formulation, dated 02/25/04, and Alternate Formulation, dated 02/25/04) has been placed in the Agency's file for the subject product and supersedes all previously submitted formulations. A stamped copy of the amended labeling is enclosed for your records and supersedes all previously accepted ones. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

JSI

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosures



MEC AMINE-D®

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Only for Sale To, Use and Storage by Lawncare and Landscaping Personnel or Commercial Applicators

ACTIVE INGREDIENTS:

*Dimethylamine Salt of 2,4-Dichloro-phenoxyacetic acid 30.56%
**Dimethylamine Salt of (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid † 8.17%

***Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid) 2.77%
INERT INGREDIENTS: 58.50%

TOTAL 100.00%

This product contains *2.44 lbs, 2,4-Dichlorophenoxyacetic acid per gallon or 25.38%

**0.65 lbs. (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid per gallon or 6.75%

***0.22 lbs 3,6-dichloro-o-anisic acid per gallon or 2.30%

† CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p.

Selective Broadleaf Weed Control In Turfgrasses.
To Control Dandelion, Clover, Henbit, Plantains, Wild
Onion and Many Other Broadleaf Weeds.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See Below for First Aid and Additional Precautionary Statements.

EPA REG. NO. 34704-239

EPA EST. NO. 37507-MT-1

NET CONTENTS 2½ GALLONS (9.46 L)

IHT

EXP 02P04

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive, causes irreversible eye damage. Do not get into eyes, on skin or on clothing. Wear face shield or goggles, long pants, long-sleeved shirt, shoes, socks and chemical resistant gloves when mixing, loading or applying this product. Harmful or fatal if swallowed.

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

For containers over 1 gallon and less than 5 gallons in capacity: Persons engaged in open pouring of this product must also wear coveralls or a chemical-resistant apron.

For containers of 5 gallons or more in capacity: A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Groundwater Contamination:

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Cleaning of Equipment:

When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Do not apply when weather conditions favor drift away from target area.

Do not contaminate domestic or irrigation waters.

FIRST AID

If in eyes:	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • 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 center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:

1-800-301-7976. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

REENTRY STATEMENT

Do not reenter or permit workers to reenter treated areas until sprays have dried.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: KEEP FROM FREEZING. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can effect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

USE PRECAUTIONS

Avoid drift of spray mist to vegetables, flowers, ornamentals, shrubs, trees and other desirable plants. Do not pour spray solutions near these plants. Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present.

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Use only lawn-type sprayers. Coarse sprays are less likely to "wind-drift." Use coarse spray droplets. Avoid fine mists. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 85°F. Seed can be safely sown 3 to 4 weeks after application at recommended rate. After using this product, clean sprayer with soap or detergent and water, and rinse thoroughly before applying other pesticides. Failure to observe the above precautions may result in injury.

WEEDS CONTROLLED BY MEC AMINE-D

Bedstraw	Henbit	Purslane
Black Medic	Knotweed	Ragweed
Buckhorn	Lambsquarter	Sheep Sorrel
Burdock	Lespedeza	Shepherd's Purse
Chicory	Mallow	Speedwell
Chickweed	Morningglory	Spurge
Clover	Peppergrass	Wild Carrot
Dandelion	Pigweed	Wild Garlic
Dock	Plantain	Wild Lettuce
Ground Ivy	Poison Ivy	Wild Onion
Heal-All	Poison Oak	Yarrow

ORNAMENTAL LAWNS & TURF

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
 Do not apply this product through any type of irrigation system.
 Do not allow people (other than applicator) or pets on treatment area during application.
 The maximum number of broadcast applications per treatment site is 2 per year.

Kentucky Bluegrass, Fescue spp., Perennial Ryegrass, Bermudagrass and Zoysiagrass

Apply 3 to 4 pints of MEC AMINE-D per acre with spray volumes ranging from 20 to 220 gallons per acre. The equivalent application rate would be 1.1 to 1.5 fluid ounces of MEC AMINE-D per 1,000 sq. ft. with spray volumes ranging from 0.5 to 5 gallons per 1,000 sq. ft. of turf. For mature weeds, apply 3.25 to 4 pints of MEC AMINE-D per acre.

Cool Season Grasses

Use MEC AMINE-D at the rate of 3 to 4 pints per acre.

Application Type	Water to Use
Normal application:	Use 40-80 gallons of water per acre. (1-2 gallons water per 1,000 square ft.)
Professional Lawn Maintenance:	Use 1 to 5 gallons of water per 1,000 square feet. Higher water volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add.
Lower volume equipment:	Use as little as 5 gallons water per acre. Use only application equipment that is capable of spreading a uniform droplet, wetting each weed surface.
Bentgrass:	On closely mowed bentgrass (putting and bowling greens) apply MEC AMINE-D at a maximum rate of one fluid ounce in 5 gal. water per 1,500 square ft. - preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week.

Warm Season Grasses

Use MEC AMINE-D at the rate of 3 to 4 pints per acre

Application Type	Water to Use
Normal Application:	Use 20 to 80 gallons of water per acre (0.5 to 2 gallons of water per 1,000 sq. ft.)
Professional Lawn Maintenance	Use 0.5 to 5 gallons of water per 1,000 sq. ft. Higher spray volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add.

USE PRECAUTION

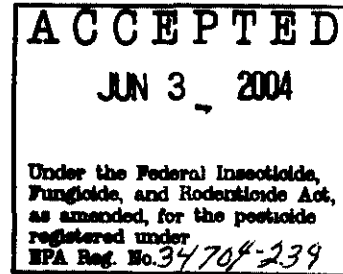
Do not apply this product to St. Augustine grass. Care should be taken to avoid overdosing bentgrass as injury may result. Some hybrid bermudagrass may be sensitive to this product. Contact your local Extension Service Weed Control Specialist for sensitive grasses in your area. Large volumes of spray water (i.e. one fluid ounce in 5 gallons water per 1,500 square feet) 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.

WARRANTY DISCLAIMER AND NOTICE

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF LOVELAND PRODUCTS INC., THE MANUFACTURER OR SELLER.

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