

2217-823

9-29-2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
2217-823

Date of Issuance:
SEP 29 2003

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
EH1349 Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**PBI/Gordon Corporation
P.O. Box 014090
Kansas City, Missouri 64101-0090**

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for the registration/reregistration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Review the EPA Registration number to read, "EPA Reg. No. 2217-823.
3. Add the following "Spray Drift Management Statement":

"Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Signature of Approving Official:

Joanne J. Miller

Date:

SEP 29 2003

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Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. For groundboom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.

Make aerial or ground applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy."

4. Under the "Sites and Turfgrass" section, remove the words "parks" and "cemeteries". In addition remove the phrase, "but not limited to", through out this paragraph.

5. Submit the one-year storage stability study within 8 months of the date of this registration.

6. Submit one copy of the revised final printed label for the record.

A stamped copy of the label is enclosed for your records. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Enclosure

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EH1349 HERBICIDE

ACTIVE INGREDIENTS:

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid.....	18.00%
Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy)propionic acid.....	12.96%
Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid.....	6.49%
Dimethylamine salt of dicamba: 3,6-dichloro-o-anisic acid.....	1.68%
Sulfentrazone: N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide.....	0.43%
INERT INGREDIENTS.....	66.81%
INERT INGREDIENTS.....	73.40%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

- 1.38 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 15.00%
- ~~0.99 lb. 2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 10.71%~~
- ~~0.49 lb. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.36%~~
- 0.13 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.40%
- 0.04 lb. N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide or 0.43%

CONTAINS SINGLE ISOMER FORM OF MECOPROP-p

Isomer Specific by AOAC Method.

TRIMEC® is a registered trademark of PBI/GORDON CORPORATION.

KEEP OUT OF REACH OF CHILDREN

~~DANGER WARNING~~

Statement of Practical Treatment

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN: ~~Probable mucosal damage may contraindicate the use of gastric lavage.~~

See additional Precautionary Statements elsewhere on this label.

NET CONTENTS 1, 2.5, 15, 30, and 55 U.S. GALLONS

APXXXXXX

EPA File Symbol No. 2217-IEG

EPA EST. NO. 2217-KS-1

MANUFACTURED BY:



KANSAS CITY, MO 64101

ACCREDITED
with COMMENTS
in EPA Letter Dated

SEP 29 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

2217-823

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READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

~~**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes, or on clothing. Harmful if absorbed through skin, if swallowed or if inhaled. Avoid contact with skin. Avoid breathing spray mist.~~

~~**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if absorbed through skin, if swallowed or if inhaled. Avoid contact with skin. Avoid breathing spray mist.~~

Clothing Requirement Statements For Mixer, Loaders and Applicators:

When mixing, loading or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow, and temple protection. After this product is diluted according to the Directions for Use, protective eyewear (safety glasses) for the applicator is optional (not required).

Personal Hygiene Statements:

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.

Engineering Control Statements:

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

Containers of 5 gallons or more: Do not open-pour product from this container. A mechanical system (such as a probe and pump or spigot) 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 washwater.

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.

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.

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container in a locked storage area. Keep from freezing.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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: *For Metal Containers* - 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 other procedures approved by state and local authorities. *For Plastic Containers* - 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.

SITES AND TURFGRASS:

EH1349 Herbicide is intended to be applied by lawn care operators, maintenance applicators, and service technicians for use in ornamental lawns and turf established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, golf courses, and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Finally, residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

Newly seeded and established turf of Kentucky bluegrass, perennial ryegrass, tall fescue, fine leaf fescues, and creeping bentgrass may be treated. Do not apply this product to St. Augustinegrass, centipede grass, carpetgrass, dichondra, nor on lawns or turf where desirable clovers are present.

SPRAY EQUIPMENT:

Power sprayers and hand operated sprayers may be used for broadcast applications and spot treatments. Use power equipment equipped with a fixed boom or spray gun/wand. Hand operated sprayers including backpack sprayers, compression sprayers, and knapsack sprayers are appropriate for small turfgrass areas when power equipment is unavailable, uneconomical, or impractical. Controlled droplet applicators (CDA) are appropriate for applications with ultra low spray volumes.

APPLICATION RATES AND SPRAY VOLUMES:

Maximum control of weeds will be obtained from spring or fall applications when weeds are actively growing. Avoid spraying during long, excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours after application.

Dosage rates and spray volume recommendations of EH1349 Herbicide are presented in Table 1.

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

The maximum application rate to turf is 1.1 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

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Table 1. Rate Recommendations for Ornamental Turfgrass.

Cool Season Species	Amount of Product		Spray Volumes	
	Pints/Acre	Fl.oz./1000 sq.ft.	Gallons/Acre	Gallons/1000 sq.ft.
Kentucky Bluegrass	5.0 to 6.0	1.8 to 2.2	2.0 to 175	0.05 to 4.0
Perennial Ryegrass	5.0 to 6.0	1.8 to 2.2	2.0 to 175	0.05 to 4.0
Tall Fescue, Fine leaf Fescues, Hard Fescues, Sheep Fescue, Red Fescue (Chewings Fescue, Slender Creeping Fescue, Spreading Fescue)	5.0 to 6.0	1.8 to 2.2	2.0 to 175	0.05 to 4.0
Creeping Bentgrass	5.0	1.8	2.0 to 175	0.05 to 4.0

USE PRECAUTIONS:

- ◆ Do not apply this product through any type of irrigation system.
- ◆ Do not apply this product immediately before rainfall or irrigation. Do not irrigate or water the turfgrass within 24 hours after application.
- ◆ Avoid spray droplets onto vegetables, flowers, ornamentals, shrubs, trees, and other nontarget plants. Do not pour spray solutions near these plants.
- ◆ Coarse sprays are less likely to drift. Use coarse spray droplets. Avoid fine mists. Do not spray roots of ornamentals and trees. Be particularly careful within the dripline of trees and other ornamental species.
- ◆ Do not apply to newly seeded grasses until well established or after the second or third mowing.
- ◆ Avoid broadcast applications when air temperatures exceed 85°F; some injury may be expected with spot treatments when air temperatures exceed 85°F.
- ◆ Seed can be sown 3 to 4 weeks after application at recommended rates.
- ◆ 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 -		
Bedstraw	Innocence (Blue-eyed Mary)	Purple Cudweed
Black Medic	Knotweed	Purslane
Buckhorn	Lambsquarters	Ragweed
Burdock	Lawn Burweed	Redweed
Chicory	Lespedeza	Sheep Sorrel
Chickweed	Mallow	Shepherdspurse
Clover	Morningglory	Speedwell
Corn Speedwell	Old World Diamond Flower	Spurge
Dandelion	Peppergrass	Wild Carrot
Dock	Pigweed	Wild Garlic
Ground Ivy	Plantain	Wild Lettuce
Healall	Poison Ivy	Wild Onion
Henbit	Poison Oak	Yarrow

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LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.