

2217-796

7-31-1996

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
2217-796

Date of Issuance:
JUL 31 1996

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
EH1148 Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

PBI/Gordon Corporation
1217 West 12th Street
P.O. Box 4090
Kansas City, MO 64101

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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 and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 2217-796".

b. Rewrite the Precautionary Statements to read as follows:

"Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing."

Signature of Approving Official:

Date:

JUL 31 1996

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c. Rewrite the Statement of Practical Treatment to read as follows:

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

"IF SWALLOWED: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Avoid alcohol."

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

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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.

A stamped copy of the label is enclosed for your records.

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

Enclosure

DK: 305-7546: FHB/PM23

		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	5/21/96							

EH1148 HERBICIDE

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUL 31 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
2217-796

ACTIVE INGREDIENTS:

* Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy) propionic acid.....	8.11%
** Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid.....	4.20%
*** Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid).....	0.92%
INERT INGREDIENTS.....	<u>86.77%</u>
TOTAL 100.00%	

This product contains:

- *0.58 lb. 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 6.70%
 - **0.30 lb. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 3.50%
 - ***0.07 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.77%
- Isomer Specific by AOAC Methods.

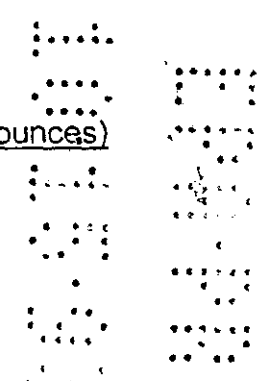
KEEP OUT OF REACH OF CHILDREN

WARNING

See side panels for additional Precautionary Statements
and Statement of Practical Treatment

NET CONTENTS ONE PINT (16 fluid ounces) and ONE QUART (32 fluid ounces)

849/1093 APXXXXXX
 EPA REG.NO. 2217-XXX
 EPA EST. NO. 2217-KS-X
 Mfd. by PBI/GORDON CORPORATION
 KANSAS CITY, MISSOURI 64101



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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING: Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed.

When using this product, wear long-sleeved shirt, long pants, socks, shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. 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.

Statement of Practical Treatment

IF IN EYES: Immediately flush eyes with plenty of water. Call a physician at once.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly. If irritation develops, get medical attention.

IF SWALLOWED: Drink one or two glasses of water, induce vomiting by touching back of throat with finger. Call a physician at once. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

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. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

DIRECTIONS FOR USE

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

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 areas until spray has dried or dust has settled.

STORAGE & DISPOSAL

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

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

WHERE TO USE: EH1148 HERBICIDE controls broadleaf weeds commonly found in cool season and warm season turfgrass in residential/domestic areas. Established turf of St. Augustinegrass, centipedegrass, bermudagrass, bentgrass, bluegrass, fescues, and zoysiagrass may be treated. Residential/domestic areas include turfgrass established around residences, apartment complexes, condominiums, vacant lots, or areas associated with households.

Do not apply this product to carpetgrass, dichondra, ornamentals, or lawns containing desirable clovers. Do not use on Floratam or other improved varieties of St. Augustinegrass in Florida.

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The maximum control of weeds will be obtained from spring or fall applications when the weeds are actively growing. However, this product is effective anytime during the growing season. Refer to the partial list of broadleaf weeds controlled by EH1148 HERBICIDE .

WEEDS CONTROLLED

BEDSTRAW
BLACK MEDIC
BUCKHORN
BURDOCK
CHICORY
CHICKWEED
CLOVER
DANDELION
DOCK
DOLLARWEED
GROUND IVY
HEAL-ALL
HENBIT

KNOTWEED
LAMBSQUARTERS
LESPEDEZA
MALLOW
MORNINGGLORY
PEPPERWEED
PIGWEEED
PLANTAINS
POISON IVY
POISON OAK
PURSLANE
RAGWEED
SHEEP SORREL

SHEPHERDS PURSE
SPEEDWELL
SPURGE
WILD CARROT
WILD GARLIC
WILD LETTUCE
WILD ONION
YARROW
and other
broadleaf weeds
in lawns & turf.

HOW TO USE: Hose-end sprayers, backpack sprayers, knapsack sprayers, and pressure sprayers are suitable for broadcast treatments. Apply EH1148 HERBICIDE with sufficient water for good coverage. Spray volumes of 2 gallons per 1000 ft² are recommended.

The rate recommendations for each turfgrass are presented as follows:

Turfgrass	Amount of EH1148 Herbicide	Treated Area (Square Feet) for	
		1 pint (16 fl.oz.) container	1 quart (32 fl. oz.) container
St. Augustinegrass and Centipede grass	2.8 fluid ounces/1000 ft ²	5,720 ft ¹	11,400 ft ²
Bermudagrass and Bentgrass	3.7 fluid ounces/1000 ft ²	4,320 ft ²	8,640 ft ²
Bluegrass, Fescues, and Zoysiagrass	5.6 fluid ounces/1000 ft ²	2,860 ft ²	5,720 ft ²

The maximum application rate to turf is 0.6 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.

HOSE-END SPRAYERS: Determine the required amount of EH1148 HERBICIDE from Table 4 for the appropriate area and turfgrass. Spray volumes of 2 gallons per 1000 square feet are recommended.

For concentrate sprayers, add only the required amount of EH1148 HERBICIDE listed in Table 1.

For dilution sprayers, add the required amount of EH1148 HERBICIDE and fill the sprayer with water to the proper level.

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Table 1. Application Rates for Hose-End Sprayers				
Area to be Treated	Spray Volume	Amount of EH1148 HERBICIDE		
		St. Augustinegrass Centipedegrass	Bentgrass Bermudagrass	Bluegrass Fescue Zoysiagrass
(Square Feet)	(Gallons)	(Fluid Ounces)	(Fluid Ounces)	(Fluid Ounces)
250	1	0.7	0.9	1.4
1000	4	2.8	3.7	5.6
2000	8	5.6	7.4	11.2
5000	20	14	18.5	28.0
6000	24	16.8	22.2	33.6

Equivalent Measures:	
1 fluid ounce = 2 tablespoons or 6 teaspoons	16 fluid ounces = 1 pint
2 fluid ounces = 4 tablespoons	32 fluid ounces = 1 quart

PRESSURE SPRAYERS: Determine the required amount of EH1148 HERBICIDE from Table 2 for the appropriate area and turfgrass. Spray volumes of 2 gallons per 1000 square feet are recommended. Adjust the sprayer nozzle to deliver a coarse spray and apply uniformly.

Table 2. Application Rates for Pressure Sprayers				
Area to be Treated	Spray Volume	Amount of EH1148 HERBICIDE		
		St. Augustinegrass Centipedegrass	Bentgrass Bermudagrass	Bluegrass Fescues Zoysiagrass
(Square Feet)	(Gallons of Water)	(Fluid Ounces)	(Fluid Ounces)	(Fluid Ounces)
250	1/2	0.7	0.9	1.4
500	1	1.4	1.9	2.8
1000	2	2.8	3.7	5.6
1500	3	4.2	5.6	8.4

EQUIVALENT MEASURES: 1 fluid ounce = 2 tablespoons or 6 teaspoons	
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SPOT TREATMENTS: Spot treatments may be appropriate for sparse weed infestations or as a follow-up treatment for dense weed infestations. Mix 1 fluid ounce or 2 tablespoons of EH1148 HERBICIDE with 1 gallon of water. Spray the weeds only and avoid spray droplets on the turfgrass. Observe a 10 to 14 day interval for follow-up treatments between the first and second application.

APPLICATION SUGGESTIONS:

1. Delay mowing 3 to 4 days before and after the application of this product.
2. Do not apply this product immediately before rainfall or irrigation. Also, rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.
3. Treated areas of common bermudagrass, bluegrass, and fescue may be re-seeded 3 to 4 weeks after application.

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4. Do not allow spray to drift to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area; be particularly careful within dripline of tree and other ornamental species.

5. Do not apply this product when turfgrass is under stress from drought, insect attack, or high temperatures ($\geq 90^{\circ}$ F). Avoid applications to St. Augustinegrass when the air temperature is greater than 90° F with high relative humidity.

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.

