

2217-830

08/23/2000

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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:  
2217-830

Date of Issuance:  
AUG 23 2000

Term of Issuance:  
Conditional

Name of Pesticide Product:  
EH1378 Herbicide

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

PBI/Gordon Corporation  
1217 West 12<sup>th</sup> 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), 3(g), or 4 when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 2217-830" to your label before you release the product for shipment.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Signature of Approving Official

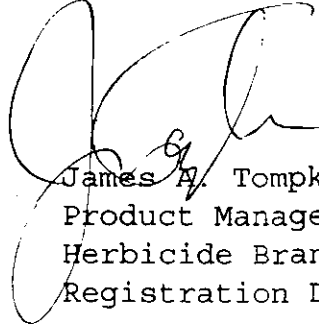
Date:

8-23-00

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EPA Reg. No. 2217-830

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



James A. Tompkins

Product Manager (25)

Herbicide Branch

Registration Division (7505C)

Enclosure

# EH1378 HERBICIDE

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

### ACTIVE INGREDIENTS:

|                                       |       |
|---------------------------------------|-------|
| Monosodium acid methanearsonate ..... | 9.81% |
| 2,4-D, dimethylamine salt .....       | 3.18% |
| Mecoprop-p dimethylamine salt .....   | 1.60% |
| Dicamba, dimethylamine salt .....     | 0.79% |

|                          |                |
|--------------------------|----------------|
| INERT INGREDIENTS: ..... | 84.62%         |
| <b>TOTAL</b>             | <b>100.00%</b> |

### THIS PRODUCT CONTAINS:

Monosodium acid methanearsonate 9.81%. Total Arsenic (as elemental) all in water soluble form 4.84%.  
 2,4-dichlorophenoxyacetic acid equivalent 2.64%.  
 (+)-(R)-2-(4-chloro-2-methylphenoxy) propanoic acid equivalent 1.32%.  
 3,6-dichloro-o-anisic acid equivalent 0.66%.  
 Isomer Specific by AOAC Methods

### CAS Registry Numbers:

Monosodium acid methanearsonate - CAS# 2163-80-6  
 2,4-D, DMA salt - CAS# 2008-39-1  
 MCPP-p, DMA salt - CAS# 66423-09-4  
 Dicamba, DMA salt - CAS#2300-66-5

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

See side panels for additional Precautionary Statements and First Aid.

NET CONTENTS: ONE GALLON

APXXXXXX  
 EPA File Symbol No.: 2217-IGN  
 EPA Est. No. 2217-KS-X  
 MANUFACTURED BY:  
  
*An Employee-Owned Company*  
 1217 West 12th Street  
 Kansas City, Missouri 64101

**ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated:**

**AUG 23 2000**

**Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
 2217-830**



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

**PRECAUTIONARY STATEMENTS**

**Hazards To Humans & Domestic Animals**

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. When using this product wear long-sleeved shirt, long pants, socks, shoes, and rubber gloves.

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.

**First Aid**

|                                |  |
|--------------------------------|--|
| <b>If swallowed:</b>           | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If in eyes:</b>             | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| <b>If on skin or clothing:</b> | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If inhaled:</b>             | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>   |

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**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 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. Do not apply when weather conditions favor drift from treated area.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCP-p 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.

**STORAGE & DISPOSAL**

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

**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:**

EH1378 Herbicide is intended for residential and ornamental lawns with applications by homeowners only. This product contains four proven herbicides that are effective on hard-to-kill grass and broadleaf weeds. Broadcast applications and spot treatments of this product may be applied after the weeds have emerged.

**WEEDS CONTROLLED:**

EH1378 Herbicide controls a wide range of broadleaf weeds including dandelion, spurge, oxalis, crabgrass, dallisgrass, and yellow nutsedge in bermudagrass, Kentucky bluegrass, perennial ryegrass, tall fescue, and zoysiagrass lawns. A partial list of weeds controlled is shown below.

**PARTIAL LIST OF WEEDS CONTROLLED**

|             |               |                   |
|-------------|---------------|-------------------|
| Aster       | Healall       | Purslane          |
| Bedstraw    | Henbit        | Ragweed           |
| Black medic | Knotweed      | Sandbur           |
| Buckhorn    | Lambsquarters | Sheep sorrel      |
| Burdock     | Lespedeza     | Shepherdspurse    |
| Chicory     | Mallows       | Speedwell         |
| Chickweed   | Morningglory  | Spurge            |
| Clovers     | Nutsedge      | Wild carrot       |
| Crabgrass   | Oxalis        | Wild garlic       |
| Dallisgrass | Peppergrass   | Wild lettuce      |
| Dandelion   | Pigweed       | Wild onion        |
| Dock        | Plantain      | Yarrow            |
| Goosegrass  | Poison ivy    | Yellow woodsorrel |
| Ground ivy  | Poison oak    |                   |

**USE PRECAUTIONS:**

- ◆ Avoid drift of spray mist onto vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants.
- ◆ Do not exceed the specified dosage for any area. Be particularly careful under the dripline of trees and ornamentals.
- ◆ Turfgrass may be discolored temporarily. Do not use this product on St. Augustinegrass, centipedegrass, carpetgrass, creeping fescue, dichondra, nor on lawns with desirable clovers.
- ◆ Keep children and domestic animals off treated area until this material has been watered into the soil or the grass has dried.
- ◆ Do not apply while grass is emerging from dormancy.
- ◆ Do not apply with hose-end applicators.

**WHEN TO APPLY:**

Apply when weeds are young and actively growing and the lawn is healthy, moist and not under stress from drought conditions. For bluegrass, perennial ryegrass, and tall fescue, apply this product when air temperatures are between 70°F and 80°F. For bermudagrass and zoysiagrass, apply this product when air temperatures are between 70°F and 90°F. Applications made when air temperatures exceed these conditions may result in injury to the lawn.

Do not apply this product to newly seeded lawns until after the fourth mowing. Seed can be sown 3 to 4 weeks after application.

**HOW TO APPLY:**

If the soil is dry, then water thoroughly 24 hours before application. Mow lawn to the proper height 1 - 3 days before application. Using a hand-operated sprayer (plunger or pump-up sprayer) spray weeds evenly until lightly covered. Over-spray can injure the turfgrass. Do not water lawns for 24 hours after application. Temporary discoloration may occur with the use of this product. After 24 hours, a thorough watering is recommended.

**For Bermudagrass and Zoysiagrass:** Mix 6 - 8 fluid ounces (12 - 16 tablespoons) of product with 2.0 gallons of water for treatment of 1,000 square feet of turfgrass. Do not apply when the air temperatures are above 90°F. A second application may be made in 14 days if necessary.

**Table 1. Mixing instructions for bermudagrass and zoysiagrass with hand operated sprayers.**

| Area to Spray,<br>Square Feet | Amount of Water,<br>Gallons | Amount of Product, |              |
|-------------------------------|-----------------------------|--------------------|--------------|
|                               |                             | Tablespoons        | Fluid Ounces |
| 500                           | 1                           | 4 - 8              | 2 - 4        |
| 1,000                         | 2                           | 12 - 16            | 6 - 8        |
| 1,500                         | 3                           | 20 - 24            | 10 - 12      |

**For Kentucky Bluegrass, Perennial Ryegrass, and Tall Fescue:** Mix 4 - 6 fluid ounces (8 - 12 tablespoons) of product with 2.0 gallons of water for treating 1,000 square feet of turfgrass. Do not apply when the air temperatures are above 80°F. A second application may be made in 14 days if necessary.

**Table 2. Mixing instructions for Kentucky bluegrass, perennial ryegrass, and tall fescue with hand operated sprayers.**

| Area to Spray,<br>Square Feet | Amount of Water,<br>Gallons | Amount of Product, |              |
|-------------------------------|-----------------------------|--------------------|--------------|
|                               |                             | Tablespoons        | Fluid Ounces |
| 500                           | 1                           | 3 - 6              | 1½ - 3       |
| 1,000                         | 2                           | 8 - 12             | 4 - 6        |
| 1,500                         | 3                           | 14 - 18            | 7 - 9        |

**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.