

PM 23 2217-703

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98.



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number

247716

## Application for Pesticide - Section I

1. Company/Product Number 2217-703	2. EPA Product Manager Joanne I Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Acme Hi-Dep® Herbicide	PM# (PM 23)	
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation P.O. Box 014090 1217 West 12th Street Kansas City, MO 64101 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated	<b>NOTIFICATION</b> MAR 21 1996
<input type="checkbox"/> Resubmission in response to Agency letter dated	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION of Minor Labeling Revisions per PRN 95-2: We are planning to split the label of Acme Hi-Dep® Herbicide to facilitate our marketing efforts in California. We intend to present a subset of the Directions for Use of the previously approved text for stone fruits, tree nuts, and pistachio orchards. The sites, weed species, methods of application, and application rates were previously approved. Also, all Precautionary Statements have been maintained without revision. There are three requests for this notification: 1) Add the brand name of "Gordon's Orchard Master". 2) Outline the format for the final printed labeling of the retail containers. 3) Add a paragraph highlighting the pesticide regulations administered by California. One copy of the revised labeling with highlighted additions is enclosed. Please pin-punch this proposed labeling and return to satisfy the registration requirements in California. This notification is consistent with the provisions of PRN 95-2 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not coincident with the terms of PRN 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties.

1. Use of the Product in FIFRA Packaging:

Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name James A. Armbruster, Ph.D.	Title Vice President of Regulatory Services	Telephone Nos. (Include Area Code) (816) 421-4070
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>J. A. Armbruster</i>	3. Title Vice President of Regulatory Services	
4. Typed Name James A. Armbruster, Ph.D.	5. Date February 23, 1996	

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Proposed Brand Name: **GORDON'S ORCHARD MASTER  
BROADLEAF HERBICIDE**

Official Name: **ACME® HI-DEP® HERBICIDE**

**ACTIVE INGREDIENTS:**

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid..... 33.2%

Diethanolamine Salt of 2,4-Dichlorophenoxyacetic acid..... 16.3%

INERT INGREDIENTS..... 50.5%

**TOTAL 100.0%**

**This Product Contains:**

3.8 lbs. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 38.6%

Isomer Specific by AOAC Methods.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find some one to explain it to you in detail.)

See side panel for additional Precautionary Statements and Statement of Practical Treatment.

**KEEP FROM FREEZING**

**NET CONTENTS 2.5 GALLONS**

808/ AP022396

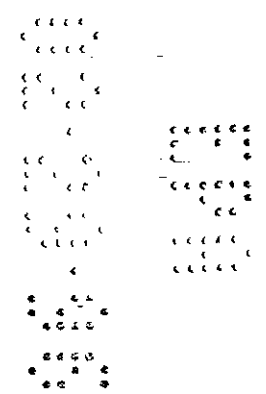
EPA REG. NO. 2217-703

EPA EST. NO. 2217-KS-1

Mfd by PBI/GORDON CORPORATION  
KANSAS CITY, MISSOURI 64101

Reg. No. 2217-703

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

### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS & DOMESTIC ANIMALS:**

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

#### **Personal Protective Equipment (PPE):**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

#### **Engineering Control Statements:**

Containers over 1 gallon and less than 5 gallons in capacity: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Containers of 5 gallons or more in capacity: Do not open pour from this container. A mechanical system (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. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **User Safety Recommendations:**

##### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** In case of eye contact, immediately flush eyes with plenty of water for 15 minutes. 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 promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Call a physician at once.

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

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

**ENVIRONMENTAL HAZARDS:** Under no circumstances should this herbicide product or any 2,4-D weed killer be used in the vicinity of cotton, tomatoes, garden crops, grapes, ornamentals or other susceptible crops, or severe damage may result. Do not apply on windy days. Do not use equipment used in applying this product or any 2,4-D weed killer to apply insecticides, fungicides, or other material to susceptible crops. Avoid contamination of water supplies that may be used to irrigate or water susceptible crops, or to be used for domestic purposes.

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D 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 apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: coveralls, waterproof gloves, shoes plus socks, and protective eyewear.

#### STORAGE & DISPOSAL

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

**STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**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:** FOR PLASTIC CONTAINER - 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. FOR METAL DRUMS - 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.

**NOTICE TO USER:** This product must be applied in compliance with the pesticide regulations of the state in which application is made. Check with local authorities regarding regulations that may affect the application of this product.

**MIDDLES MANAGEMENT FOR STONE FRUITS, TREE NUTS, AND PISTACHIO ORCHARDS:**

Orchard Master® consists of the dimethylamine and diethanolamine salts of 2,4-D especially formulated for low volume applications with ground equipment. Orchard Master is intended for directed applications to broadleaf weeds in established plantings of stone fruits and tree nuts. This product should be applied to the vegetation in the row middles of established trees. Transplanted stock and established trees must be at least one (1) year old and in vigorous condition.

**SPRAY PREPARATION:**

Check the spray tank for cleanness before preparing the spray solution. Orchard Master should be mixed with water. The addition of surfactants or wetting agents is not recommended. Anti-drift agents approved by the USEPA are compatible with this product.

To avoid subsequent injury to crops, immediately clean spray equipment and dispose the rinsates according to label instructions.

**METHODS OF APPLICATION AND APPLICATION SCHEDULES:**

Use a fixed boom equipped with flat fan nozzles or low/reduced pressure nozzles that deliver coarse spray droplets at low pressures (20-25 psi). Spot treatments are appropriate for individual weeds, for sparse infestations, for small areas, or as follow-up treatments.

Apply precisely and uniformly to obtain satisfactory weed control and to minimize the injury to the trees. Avoid contact with fruit, foliage, stems, lower limbs, tree trunks, and exposed roots. Do not apply when weather conditions favor drift from the treated area.

Early spring and late fall applications after harvest are preferred. Sequential applications may be needed to control perennial broadleaf weeds. The maximum number of applications is two (2) excluding spot treatments. Do not apply during the bloom stage of the trees.

Application schedules are presented as follows:

Weed Type	Season	Growth Stage of the Weeds
Annual broadleaf	Spring or fall	Active growth.
Biennials	Spring or fall	During the seedling to rosette stages. Sequential treatments.
Perennials	Spring or fall	During the early bud to bloom stage and during fall regrowth. Sequential treatments.

**IRRIGATION:**

In California, do not apply to sandy or shallow soils and do not apply to dry soil without vegetation. Apply this product to moist soils, after irrigation, or after rainfall.

Do not apply immediately before irrigation. Best results are obtained when this product is applied two (2) days following irrigation.

Do not irrigate immediately following application.

Do not apply this product through any type of irrigation system.

# **DOSAGE RATES FOR BROADLEAF WEED CONTROL:**

Orchard Master is effective at three (3.0) pints of product per acre per application (1.4 pounds of active ingredient / acre) for the postemergent control of the broadleaf weeds listed on this label.

Dosage rate recommendations are for broadcast applications. For banded treatments, the amount of product should be adjusted according to this formula:

$$\text{Dosage Rates per Treated Acre} = \frac{\text{Spray Band Width of Middles}}{\text{Tree Row Width}} \times \text{Broadcast Rate per Acre}$$

Spray volumes of 1 - 10 gallons per acre are recommended. Spray volumes of 10 - 25 gallons per acre may be needed for adequate coverage of weeds.

## **SPOT TREATMENTS:**

Spot treatments are appropriate for sparse infestations of broadleaf weeds, for small areas, or for follow-up treatments. Spray guns, high volume wands, or similar types of equipment may be used. Select nozzles that deliver coarse spray patterns to reduce the potential of nontarget drift. Spray volumes will depend upon the height, density, weeds species, and equipment type.

Mix 1.0 - 2.0 gallons of product with 100 gallons of water, or prepare a 1.0 - 2.0% vol/vol spray solution. Or, mix 1.25 - 2.5 fl.oz. of product with one (1.0) gallon of water.

Apply diluted sprays to allow complete wetting of the foliage of the broadleaf weeds. Do not use spot treatments with spray guns around or near the base of the tree trunks for these stone fruits and nuts.

## **SPECIFIC USE RESTRICTIONS AND HARVEST INTERVALS FOR STONE FRUITS, PISTACHIOS, AND NUT CROPS:**

- Do not graze or feed cover crops from treated orchards to livestock.
- Do not apply during windy periods or extremely high temperatures.
- Do not harvest stone fruits within 40 days of application.
- Do not harvest nuts and pistachios within 60 days of application.

## **SUCKER CONTROL IN FILBERTS:**

This treatment is intended to suppress suckers that decrease filbert production in bearing trees. Mix 2.0 pints of product with 100 gallons of water, or prepare a 0.25% vol/vol spray solution. A nonionic surfactant is recommended. Refer to the labeling of the surfactant for precautions and suggested concentrations.

Spray guns, high volume wands, or similar types of equipment may be used. Spray volumes will depend upon the height, density, and equipment type.

Apply the diluted spray to all leaves and stems of the suckers that are 6 - 8 inches in height during April through August. The maximum number of applications is four (4) per season. Do not harvest filberts within 45 days of application for this method of application.

## **PARTIAL LISTING OF BROADLEAF WEEDS CONTROLLED:**

Orchard Master controls many broadleaf weeds including the following:

Annual and Biennial Weeds: Lambsquarters, Prickly Lettuce, Tall Morningglory, Ragweed, Shepherdspurse, Annual Sowthistle, Tansy ragwort, Pepperweed, Redroot Pigweed, and Yellow Starthistle.

Perennial Weeds: Bindweed, Blue Lettuce, Canada thistle, Dandelion, Docks, St. Johnswort, Whitetop (Hoary Cress).