

4/31/97

PM 02

2217-703

NOTIFICATION

2945

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 243564

Application for Pesticide - Section I

1. Company/Product Number 2217-703
2. EPA Product Manager Joanne I Miller
3. Proposed Classification None Restricted
4. Company/Product (Name) Acme Hi-Dep® Herbicide
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation
6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to:

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated JAN 31 1997. "Me Too" Application. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.) NOTIFICATION to clarify the methods of application including broadcast and band treatments. See enclosed label. This notification is consistent with the provisions of PRN95-2 & EPA regulations at 40 CFR 152.46, & no other changes have been made to the labeling or the CSF of this product.

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container, 3. Location of Net Contents Information, 4. Size(s) Retail Container, 5. Location of Label Directions, 6. Manner in Which Label is Affixed to Product

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, Regulatory Services Telephone No. (816) 421-4070
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
2. Signature James A. Armbruster
3. Title Vice President, Regulatory Services
4. Typed Name James A. Armbruster, Ph.D.
5. Date January 13, 1997
6. Date Application Received (Stamped)

275

Orchard Master®

BROADLEAF HERBICIDE

GORDON'S
AGRICULTURAL PRODUCTS

807/197 AP123196
EPA REG. NO. 2217-703

MANUFACTURED BY
G pbi/gordon
CORPORATION
KANSAS CITY, MISSOURI 64101

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.

Orchard Master® is a registered trademark of
PBI/Gordon Corporation.

U.S. Patent No. 4,971,630.

**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
someone to explain it to you in detail.)

See below for additional
Precautionary Statements and
Statement of Practical Treatment.



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

PRECAUTIONARY STATEMENTS

Hazards to Humans and 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 gallon 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

CONTAINER DISPOSAL: FO recycling or reconditioning, or allowed by state and local author

NOTICE TO USER: This prod state in which application is mad application of this product.

**MIDDLES MA
TREE NUT**

Orchard Master® Broadleaf Herb especially formulated for low volu for directed applications to broad product may be applied as a brc trees, and this product may be a Transplanted stock and establishe

Check the spray tank for cleann mixed with water. The addition o approved by the USEPA are com To avoid subsequent injury to c according to label instructions.

**METHO
APP**

Use a fixed boom equipped with spray droplets at low pressures (2 sparse infestations, for small areas. Apply precisely and uniformly to trees. Avoid contact with fruit, foli when weather conditions favor drif Early spring and late fall applicatio to control perennial broadleaf wee treatments. Do not apply during th

Preferred application schedule

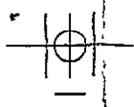
Weed Type	Sea
Annuals	Spring
Biennials	Spring
Perennials	Spring

In California, do not apply to sand Apply this product to moist soils, aft Do not apply immediately before ir (2) days following irrigation. Do not irrigate immediately followin Do not apply this product through a

DOSAGE RATES

Orchard Master® is effective at thr active ingredient/acre) for the poster Dosage rate recommendations are product should be adjusted accordin

3/5



CONTAINER DISPOSAL: 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.

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® Broadleaf Herbicide 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 may be applied as a broadcast treatment to the vegetation in the row middles of established trees, and this product may be applied as a band application to control the weeds in the tree rows. Transplanted stock and established trees must be at least one (1) year old and in vigorous condition.

FACTURED BY
pbi / GORDON
CORPORATION
AS CITY, MISSOURI 64101

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.

NOTIFICATION
JAN 31 1997

NOT REACH CHILDREN
PELIGRO

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 trees.

Preferred application schedules for broadleaf weeds are presented as follows:

Weed Type	Season	Growth Stage of the Weeds
Annuals	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:

Read the label, look for the instructions on the label, find it to you in detail.)

Additional treatments and special Treatment.

FIRST. IS CAREFULLY.

ITS

Get in eyes, on skin or on breathing vapor or spray mist.

Wear protective clothing, waterproof gloves, shoes

or heavily contaminated with instructions for cleaning/ hot water. Keep and wash E must not be reused until it

and loaders who do not use a liner must wear coveralls or a

this container. A mechanical vents of this container. If be rinsed before removal. If used in the Worker Protection

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 rinseate 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.

Dosage Rate per Treated Area 4/05

Spray volumes of 1-10 gallons per a may be needed for adequate coverage

SP

Spot treatments are appropriate for follow-up treatments. Spray guns, h Select nozzles that deliver coarse s volumes will depend upon the height, Mix 1.0-2.0 gallons of product with 1 Or, mix 1.25-2.5 fl. oz. of product wit Apply diluted sprays to allow comple treatments with spray guns around or

SPECIFIC USE RESTRICTIONS FOR STONE FRUIT

- Do not graze or feed cover crops fro
- Do not apply during windy periods c
- Do not harvest stone fruits within 4C
- Do not harvest nuts and pistachics u

SUCKER

This treatment is intended to suppress pints of product with 100 gallons of surfactant is recommended. Refer to concentrations.

Spray guns, high volume wands, or str upon the height, density, and equipme Apply the diluted spray to all leaves a through August. The maximum numb within 45 days of application for this r

PARTIAL LISTING OF

Orchard Master® controls many broad Annual and Biennial Weeds: Lar Shepherdspurse, Annual Sowthistle, Starthistle.

Perennial Weeds: Bindweed, Blue Let (Hoary Cress).

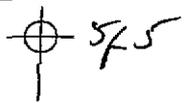
LIMITED WARRANTY

The manufacturer warrants only that t ent statement given on the label, and applied according to the Directions for **THE MANUFACTURER NEITHER IMPLIED WARRANTIES, INCLUDING FITNESS FOR A PARTICULAR P** limited warranty does not extend to th or cautions, or to use of the product tornadoes, hurricanes, etc. These fact damages arising from a breach of the shall not include indirect or consequen provided by law.

The terms of this Limited Warranty an or agreements. No employee or agen Limited Warranty and Disclaimer in any

the requirements listed in the 70.240 (d) (4-6)), the handler

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



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.

ing the toilet.
oroughly and put on clean
e of gloves before removing.

f water for 15 minutes. Call a
ritation develops, get medical

elatin solution, or if these are
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rbicide product or any 2,4-D
rapes, ornamentals or other
days. Do not use equipment
, fungicides, or other material
be used to irrigate or water

y affect aquatic invertebrates
ified on this label. Do not

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protective equipment and
is of this product that are

i-entry interval (REI) of 48

tection Standard and that
or water, wear: coveralls.

le to children or pets. Keep

proper disposal of excess
contaminate groundwater. If
ntact your State Pesticide or
the nearest EPA Regional

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. Johnswört, Whitetop (Hoary Cress).

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.

