

2217-841

5/7/2001

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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:
2217-841

Date of Issuance:
MAY 7 2001

Term of Issuance:
Conditional

Name of Pesticide Product:
EH-1384

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Craig Martens
PBI/Gordon Corporation
Post Office Box 014090
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 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 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 labeling changes listed below before you release the product for shipment.
 - a. Add the phrase "EPA Registration No. 2217-841".
 - b. The cited studies for storage stability (MRID 45235501) and corrosion characteristics submitted with your submission are invalid. Either cite a valid study or submit the results of the one year storage stability (830.6317) and corrosion characteristics (830.6320) studies 18 months from the date of this notice.
 - c. Under the heading, Precautionary Statements, include the following text.

Wash thoroughly with soap and water after handling.

Signature of Approving Official

Date:

5/7/01

d. Under the heading, Directions for Use, add one of the two WPS exclusionary statement given below:

Restrictions

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

or

"For use only on home lawns."

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.

Submit three (3) copies of your final printed labeling before you release the product for shipment.

Enclosed for your records is a copy of your label stamped "Accepted with Comments".

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EH-1384 HERBICIDE

ACTIVE INGREDIENT:

Isopropylamine salt of glyphosate*

6.7%

✓
ok

INERT INGREDIENTS:

93.3%

TOTAL

100.0%

*N-(phosphonomethyl) glycine

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

MAY 7 2001

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

2217-841

KEEP OUT OF REACH OF CHILDREN

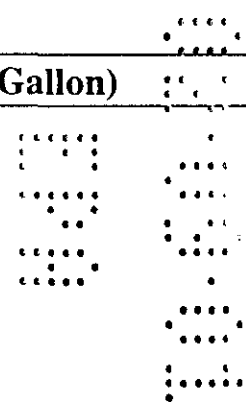
CAUTION

See [back/side/inside panel or booklet] for additional Precautionary Statements and First Aid

NET CONTENTS: (24 fl. oz., Quart, 1/2 Gallon, Gallon)

APXXXXXX
EPA File Symbol 2217-xxx
EPA Est. No. 2217-KS-1

MANUFACTURED BY:



CONSUMER INFORMATION

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EH-1384 Herbicide eliminates nearly all common weeds and grasses. This product can be used in driveways, brick and gravel walkways, curbs, along fences and foundations, near trees and shrubs, in flower beds, mulch beds, vegetable gardens, gravel, and other similar areas of the yard to get rid of undesirable vegetation.] [Edging around lawns] [For lawn replacement/renovation] [For garden plot preparation] [Do not use on or around edible feed or food crops.]

Important: This product is a nonselective herbicide that will kill all vegetation contacted. This herbicide kills unwanted plants by inhibiting the production of a substance found only in plants. It enters plants through the sprayed foliage and moves down to the roots. Avoid direct spray or drift onto desirable plants, lawn grasses, shrubs and trees. Protect desirable plants and vegetation with a piece of plastic or cardboard. If desirable plants are accidentally sprayed, wash plants with water immediately. Any glyphosate not absorbed by the plant is broken down into natural materials. This product has no soil residual activity and thus will not affect nearby untreated plants.

Do not mow, cut or otherwise disturb treated vegetation for at least 7 days following application.

WEEDS AND GRASSES CONTROLLED

Annual weeds and grasses:

Annual ryegrass, annual bluegrass, barnyardgrass, beggarweed, black medic, blue medic, blue toadflax, brassbuttons, blue mustard, bromegrass, bur clover, buttercup, cheeseweed, chickweed, clover, common groundsel, common lambsquarters, common plantain, common ragweed, crabgrass, creeping beggarweed, diffuse lovegrass, dog fennel, evening primrose, false dandelion, fall panicum, fennel, fiddleneck, field pennycress, field sandbur, filaree, Florida pusley, foxtail, garden spurge, goosegrass, green foxtail, hemp sesbania, henbit, horseweed/marestail, ironweed, knotweed, lambsquarters, little bitter cress, London rocket, maiden cane, mallow, mayweed, mouseear chickweed*, oxalis*, Pennsylvania smartweed, pennywort, pigweed, prickly lettuce, prostrate spurge, puncture vine, purslane, redroot pigweed, sandspur, shepherdspurge, smartweed, smooth cat's ear, smooth pigweed, sowthistle, spotted spurge, sprangletop, spurges, tansy mustard, tansy ragwort, teaweed, Texas panicum, tumble mustard, velvetleaf, wild geranium*, witchgrass, wild mustard, yellow nutgrass, yellow oxalis [and many other annual grasses and weeds] [controls many unwanted plants] [kills most types of weeds and grasses].

Perennial weeds, grasses and brush:

Alder, artichoke thistle, bahiagrass, barnyardgrass, bentgrass, bermudagrass, blackberries, bluegrass, broadleaf plantain, brownseed paspalum, buckhorn plantain, bull thistle, Canada thistle, cattail, ceanothus, centipedegrass, cherry, cocklebur, cogongrass, common mullein, common ragweed, coralbead, coyote brush, creeping bentgrass, creeping Charlie, creeping lantana, curly dock, dallisgrass, dandelion, dewberry, dog fennel, elderberry, false dandelion, fescue species, field bindweed, guineagrass, hairy crabgrass, honeysuckle, horsetail, horseradish, iceplant, Johnsongrass, Kentucky bluegrass, kikuyugrass, knapweed, knawel, kudzu, lantana, maiden cane, milkweed, mouseear chickweed*, multflora rose, nimblewill, nutgrass (nutsedge), oak species, oldenlandia, orchardgrass, oxalis*, pampasgrass, pennywort, perennial ryegrass, plantain, poison oak, poison ivy, poison hemlock, primrose, purple cudweed*, purple nutsedge, quackgrass, quaking aspen, ragweed, raspberry, red clover, smooth bromegrass, sourdock, sowthistle, St. Augustinegrass, sumac, tall fescue, tansy ragwort, thistle, Timothy, torpedograss, trumpetcreeper, vaseygrass, Virginia creeper, white clover, whitetop, wild barley, wild blackberry, wild carrot, wild morning-glory, wild oats, wild sweet potato, willow, yarrow, yellow nutgrass, yellow starthistle, zoysia [and many other perennial grasses, weeds, brush and sedges] [controls many unwanted plants] [kills many types of weeds and grasses and brush].

*Annual or Perennial

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[When to use] [When to apply]: Apply to actively growing weeds when the vegetation is green. Use when the wind is calm to avoid drift. Make applications on warm sunny days when the daytime temperature is above 60°F. Weed control is accelerated by warm sunny weather. Weeds usually begin to wilt within hours with complete kill in 1 to 2 weeks. Rain or watering 2 hours after application will not wash away effectiveness. Hard-to-control weeds and thick lawn grasses (like bermudagrass) may require a second application.

[How to use] [How to apply]:

This product is formulated for "spot" treatment of individual weeds and grasses or for treatment of large areas as instructed on this label (see specific site areas below). Apply with a plastic, aluminum or stainless steel tank-type sprayer. **Do not use or store in galvanized or unlined steel sprayer, or through any irrigation system or sprinkling can.** Use a tank-type sprayer with a coarse spray nozzle for spot treatments. Use the ORTHO Dial 'n Spray or other hose-end sprayer to treat large areas such as for lawn renovation or to prepare sites for planting flower beds or vegetable gardens. One quart will treat over 1300 sq ft. Treated weeds begin to wilt in about 3 days with complete kill of the weed including the root in 2 to 4 weeks. EH-1384 Herbicide does not move or build up in the soil to effect untreated plants growing nearby. Ornamental plantings can be made 3 days after treatment. Vegetable gardens can be seeded or planted 3 days after treatment. For lawn replacement, lawns may be replanted 1 week after spraying.

Determine the correct amount of EH-1384 Herbicide and water to add to sprayer from the directions below.

APPLICATOR	MIXING INSTRUCTIONS	TREATMENT AREA
Standard Tank Sprayer	Add one cup (8 fl oz) of EH-1384 Herbicide to 1 gallon of water	250 sq. ft.
ORTHO Spray-Ette Hose-End Sprayer	Add 16 fl. oz. of EH-1384 Herbicide to sprayer jar. Do not add water to sprayer jar.	500 sq. ft.
ORTHO Dial 'n Spray Hose-End Sprayer	Add 16 fl. oz. of EH-1384 Herbicide to sprayer jar. Set sprayer dial on 8 oz. Do not add water to sprayer jar.	500 sq. ft.

APPLICATOR	MIXING INSTRUCTIONS		AREA TO TREAT
	General Weed Control Annuals	Tough Weed Control Perennials or Brush or Lawn Renovation	
ORTHO BIG SHOT or Standard Tank Sprayer	Add 6 fl. oz. of EH-1384 Herbicide to 1 gallon of water.	Add 8 fl. oz. of EH-1384 Herbicide to 1 gallon of water.	250 sq. ft. (25 ft x 10 ft)
ORTHO Dial 'n Spray Hose-End sprayer	<ul style="list-style-type: none"> Add 10 fl. oz. of EH-1384 Herbicide to sprayer jar. DO NOT ADD WATER. Set dial to 5 oz. and apply. 	<ul style="list-style-type: none"> Add 16 fl. oz. of EH-1384 Herbicide to sprayer jar. DO NOT ADD WATER. Set dial to 8 oz. and apply. 	500 sq. ft. (25 ft x 20 ft)
ORTHO Spray-Ette Hose-end Sprayer	Add 12 fl. oz. of EH-1384 Herbicide to sprayer jar.	Add 16 fl. oz. of EH-1384 Herbicide to sprayer jar.	500 sq. ft. (25 ft x 20 ft)

Spray until weed foliage is thoroughly wet. Thoroughly rinse all application equipment when finished spraying. Spray washwater on bare soil or gravel. People and pets can reenter treated areas when spray has dried.

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[Where to apply] [Application sites]

General weed control: Use along fences, paths, patios, sidewalks and driveways, around trees, shrubs, and ornamental plantings and flower beds, around buildings, and in brick and gravel walkways. Can be used to trim and edge landscape areas. Do NOT use for spot weed control in lawns as this product kills all green plants contacted, including desirable lawn grass. If replacing a lawn or parts of a lawn, see **Lawn Renovation [Replacement]** recommendations on this label.

Spot treatments: Spray directly on actively growing weeds in and around flower beds, ornamental trees, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways. Do not spray vegetables, fruit and nut trees or grapevines directly.

Landscape use: Use as a site-preparation before planting ornamentals, trees, shrubs, desert-scapes, rock gardens, flower beds or similar plantings.

Ornamental plantings: Use around ornamental plantings, trees and shrubs to get rid of unwanted weeds. Avoid spray contact with bark or exposed roots of desirable plants as injury may result. Ornamentals and flowers may be re-seeded or replanted the next day.

[Lawn renovation/replacement: Use to change grass species, or eliminate a weed infested lawn before replanting or putting down sod. For best results, apply in the spring or fall when grass and weeds are actively growing. Skip at least one mowing before treatment. Wait 7 days after spraying to till, level and re-seed or install new sod.]

(OR)

Lawn Renovation/replacement:

- Use EH-1384 Herbicide to remove the existing lawn and kill weeds and grasses.
- For best results, apply in spring or fall, when daytime temperatures are at least 60° F.
- If the lawn is dry, water lawn before applying EH-1384 Herbicide and 2 to 3 days after application.
- Do not mow for 7 days before or after treatment.
- After 7 days, prepare the soil for planting by raking or rototilling the lawn.
- Rake up and remove loosened thatch or debris.
- Mix in starter fertilizer and soil amendments, if needed. Level the soil.
- Apply seed according to directions on seed package, or install sod. Grass seed must have good contact with soil to germinate and grow.
- Keep area moist for 2 weeks, to establish new lawn, then water as needed.

Vegetables, small fruits and berries: For use in eliminating unwanted weeds or to prepare the site for planting. Do not spray vegetables, small fruits and berries directly. The following vegetables, small fruits and berries may be planted (by seed, rooted cuttings or transplants) 7 days after spraying:

- Vegetables: Jerusalem artichoke, asparagus, beans, beet greens, broccoli, Brussels sprouts, cabbage, cantaloupe, carrot, cauliflower, casaba melon, celery, chard (Swiss), chicory, collards, corn, Crenshaw melon, cucumber, eggplant, endive, garlic, gourds, ground cherry, honeydew melon, honey ball melon, horseradish, kale, kohlrabi, leek, lentils, lettuce, mango, melons, muskmelon, mustard greens, okra, onion, rape greens, parsley, parsnips, peas, pepper, Persian melon, potato (Irish, sweet), pumpkin, radish, rhubarb, rutabaga, spinach, squash (summer, winter), tomatillo, tomato*, turnip, watercress, watermelon, and yams. For unlisted vegetables wait 30 days after spraying to plant.

*Tomatoes planted from seed only. Wait 30 days for rooted transplants.

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- Small fruits and berries: blackberry, blueberry, boysenberry, cranberry, currant, dewberry, elderberry, gooseberry, huckleberry, loganberry, olallieberry, raspberry (black & red), and strawberry. For all other small fruits and berries not on the list, wait 30 days before planting.

(OR)

- Vegetables: Wait 3 days after spraying and before seeding for Jerusalem artichoke, beans, beet greens, broccoli, Brussels sprouts, cabbage, cantaloupe, carrot, cauliflower, casaba melon, celery, chard (Swiss), chicory, collards, corn, Crenshaw melon, cucumber, eggplant, endive, garlic, honeydew melon, honey ball melon, horseradish, kale, kohlrabi, leek, lentils, lettuce, mango, melon, melons, muskmelon, mustard greens, okra, onion, rape greens, parsley, parsnips, peas, pepper, Persian melon, potato (Irish, sweet), pumpkin, radish, rhubarb, rutabaga, spinach, squash (summer, winter), sweet potato, tomatillo, tomato*, turnip, watercress, watermelon, winter squash and yams.

* Tomatoes planted from seed only. Wait 30 days for rooted transplants. For tomato transplants or unlisted vegetables, wait 30 days after spraying.

- Small fruits and berries: The following listed crops may be planted (by seed, rooted cutting, or transplant) 7 days after spraying EH-1384 Herbicide: blackberry, black raspberry, blueberry, boysenberry, currant, dewberry, elderberry, gooseberry, huckleberry, loganberry, olallieberry, red raspberry and strawberry. For all other small fruits and berries not listed, wait 30 days before planting.

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.

ORTHO®, Dial 'n Spray and Spray-Ette are registered trademarks of Monsanto Company
[name] is a trademark of PBI/GORDON Corporation



APPENDIX

I. Advertising claims that may be presented on container labeling of supplemental registrants:

- ◆ kills common broadleaf weeds and grasses
- ◆ for general weed control
- ◆ water-based formula
- ◆ no odor
- ◆ for nonselective post emergent control of unwanted vegetation
- ◆ contains glyphosate
- ◆ treats approximately # _____ sq. ft./treats over # _____ sq. ft. (dependent upon container size)
- ◆ systemic weed and grass killer for spot treatment of unwanted weeds and grasses
- ◆ eliminates undesirable vegetation in 2-4 weeks
- ◆ kills roots and all in 2-4 weeks
- ◆ kills to the root/down to the root/roots and all
- ◆ no residual activity in soil
- ◆ for use around flower beds, trees and shrubs, fences, walks, mulch beds, gravel and driveways
- ◆ for use around flower beds, trees, shrubs, fences and walks
- ◆ kills weeds near/under fences, in driveways, on patios, in paths, sidewalks, cracks, walkways, gardens, trees, shrubs, flower beds, mulch beds, graveled areas and curbs
- ◆ controls weeds and unwanted vegetation around trees, shrubs, and in flower beds
- ◆ use to prepare sites for planting fruit trees, shrubs and ornamentals
- ◆ multipurpose grass and broadleaf weed control
- ◆ for outdoor use only
- ◆ use for lawn renovation
- ◆ can reseed lawns 7 days after treatment
- ◆ can be applied with a tank sprayer or hose-end sprayer
- ◆ visible results in 3 days
- ◆ complete kill down to the root in 3 to 4 weeks
- ◆ [More Concentrated][Makes ____ gallons of spray][Value pack]
- ◆ [Rain-Proof in hours][Rain-Proof in less than ____ hours.
- ◆ Won't wash off

