

2217-844

08/28/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (8750SC)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

2217-844

Date of Issuance:

AUG 28 2001

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

EH-1391 Herbicide

Name and Address of Registrant (include ZIP Code):

PBI Gordon Corporation
P.O.Box 14090
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 section 3(c)(7)(A) provided that you:

1. Submit the results of the corrosion characteristics (830.6320) study once it is completed,
2. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
3. Add the phrase, "EPA Registration No. 2217-844" to your label before you release the product for shipment.
4. Submit three (3) copies of your final printed labeling 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 labeling is enclosed for your records.

Refer to accompanying letter for additional information required for your alternate formulation.

Signature of Approving Official:

Date:

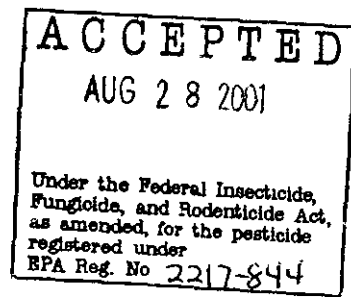
8-28-01

EH-1391 HERBICIDE

ACTIVE INGREDIENT:

Isopropylamine salt of glyphosate*	2.0%
INERT INGREDIENTS:	98.0%
TOTAL	100.0%

*N-(phosphonomethyl) glycine



KEEP OUT OF REACH OF CHILDREN

CAUTION

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

NET CONTENTS: (6 fl. oz., 16 fl. oz., 24 fl. oz., Quart, ½ Gallon, Gallon)

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

MANUFACTURED BY:

An Employee-Owned Company
1217 West 12th Street
Kansas City, Missouri 64101



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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if swallowed. Wash thoroughly with soap and water.

First Aid

If in eyes:	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

ENVIRONMENTAL HAZARDS:

Do not apply directly to water. Do not contaminate water when disposing of equipment washwater and rinsate.

PHYSICAL OR CHEMICAL HAZARDS:

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Keep children and pets out of treated areas until sprays have dried.

STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children and domestic animals.

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.

HOW IT WORKS:**Facts and Tips**

- EH-1391 Herbicide is a general purpose herbicide designed as a ready-to-use spray to control a broad spectrum of emerged annual and perennial weed species. EH-1391 Herbicide will control unwanted species of grass, sedge, broadleaf weeds, and certain woody species around trees, shrubs, fences.
- This product kills 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.
- This product is nonselective and will kill or injure all vegetation contacted by the spray. Do not spray plants or grasses you like—they may die too. Not recommended for spot weed control in lawns since this product kills lawn grasses.
- Any product not absorbed by plants breaks down into natural materials without moving in or on the soil to untreated plants.
- This product has no soil residual activity and thus will not affect nearby untreated plants.
- Plants that have not emerged at the time of application will not be controlled.
- Best results will be obtained when the weed species are actively growing.

TOUGH WEED CONTROL (Annuals, Perennials, Brush)**CONTROLS WEEDS AND GRASSES INCLUDING:****Lawn and Turfgrass Species**

EH-1391 Herbicide will provide full or partial control (suppression) of these lawn and turfgrass species:

bahiagrass	canarygrass, reed	kikuyugrass
bentgrass, colonial, creeping and redtop	carpetgrass	orchardgrass
bermudagrass, common and hybrid	centipedegrass	Paspalum spp.
bluegrass, annual, rough, and Kentucky	fescues, chewings, hard, red, tall, sheep	ryegrass, annual, Italian, perennial, and hardy
bromegrass, downy and smooth	foxtails, green, yellow, creeping, meadow, giant	St. Augustinegrass
buffalograss	Johnsongrass	zosiagrass or Japanese lawnglass

Woody Species

EH-1391 Herbicide will provide full or partial control (suppression) of these woody species:

alder	hickory	poison hemlock
blackberry	kudzu	oak
barberry	lantana	quaking aspen
Caenothus spp.	maple	raspberry
cherry	multiflora rose	sumac
coyote brush	mock orange	trumpet creeper
dewberry	manzanita	wild blackberry
elm	pine	western red cedar
elderberry	poison ivy	willow
honeysuckle	poison oak	

Annual and Perennial Weed Species

EH-1391 Herbicide will provide full or partial control (suppression) of these annual and perennial weed species:

artichoke, Jerusalem barnyardgrass beggarweed bittercress black medic broadleaf plantain buckhorn plantain bull thistle bur clover buttercup Canada thistle chickweed clover cocklebur cogongrass common groundsel common mullien common ragweed coral-bead crabgrass creeping beggarweed creeping Charlie curly dock dallisgrass dandelion dogfennel evening primrose fall panicum false dandelion	fennel fiddleneck field bindweed field pennycress field sandbur filaree Florida pusley garden spurge goosegrass green foxtail guineagrass hemp sesbania henbit horsenettle horseradish horseweed/marestail iceplant ironweed knapweed knawel knotweed lambsquarters London rocket lovegrass mallow mayweed milkweed mouseear chickweed nimblewill	Oleander oxalis pampasgrass Pennsylvania smartweed pennywort pigweed plantain prickly lettuce primrose prostrate spurge puncturevine purple cudweed purple nutsedge purslane quackgrass ragweed red clover red sorrel redroot pigweed sheepspurge smartweed smooth catsear smooth pigweed sowthistle spotted spurge sprangletop spurge sunflower	tansy ragwort tansymustard Texas panicum thistle timothy toadflax torpedograss trailing lantana tumble mustard vaseygrass velvetleaf Virginia-creeper white clover whiteweed wild barley wild carrot wild geranium wild morning glory wild mustard wild oats wild sweet potato witchgrass yarrow yellow nutsedge yellow oxalis yellow starthistle and many other weeds
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WHERE TO USE:

For General Weed Control and Spot Spraying

- Along and on sidewalks, gravel/brick walkways, paths, curbs, paved areas (private roads and streets), driveways, parking areas, recreational areas.
- Along ornamental lawns and turfgrass.
- Around or near ornamental/shade trees, fruit and nut trees, grapevines, shrubs, groundcovers, flower beds, mulched landscape beds.
- Along fences, hedgerows, under fencelines.
- Around rocks, signposts, light posts, or on fringe areas.
- Around or along buildings/structures, foundations, patios, houses, mobile homes, vacant lots, urban areas, domestic outdoor premises, and other areas associated with household or home life.
- In areas for lawn replacement or garden plot preparation.
- Urban areas where total vegetation control is desired.
- Farmsteads where total vegetation control is desired: around farmstead building foundations, along fences, hedgerows, fencerows, under fencelines, around shelter belts and other areas where nonselective weed control is desired.

For Landscaping

- Prepare areas for planting of ornamentals, trees, shrubs, desert landscapes, rock gardens, flower beds or similar plantings.
- Delay mowing, tilling, or disturbing the treated vegetation for at least seven (7) days after application of this product for the best results. However, if the treated vegetation is not disturbed, planting or transplanting of trees, flowers, shrubs, bedding plants may be done at one (1) day after application.

For Wildlife Areas

- Prepare areas for planting wildlife food.
- Control undesirable and exotic plants to allow for recovery or planting of native species.
- Make treatments to remove unwanted plants. Take care to keep spray off desirable plants.

For Brush Control

Foliar Sprays for Brush:

- Cut back brush that is taller than 5 feet and then spray regrowth.
- For maximum activity, weeds should be growing vigorously at the time of the postemergent applications. The most favorable period for treatment occurs after full leaf stage in the spring and continues into early summer. Brush treated in the late fall may not be fully controlled.
- Spray uniformly the foliage of the vegetation to be controlled. Apply for full coverage and thorough brush/weed contact.
- Follow-up applications of this product or with a different herbicide may be needed under less favorable growing conditions and for hard-to-control species including blackberry, poison oak, and kudzu. Another choice for effective brush control is Gordon's Cleanout® Brush and Stump Spray. Gordon's Cleanout® Brush and Stump Spray is recommended to control undesirable woody plants including buckbrush, poison ivy, multiflora rose, and sumac. Foliar applications of Gordon's Cleanout® Brush and Stump Spray are appropriate during the period of active growth of the brush. Cut stump, basal bark, and frill treatments of Gordon's Cleanout® Brush and Stump Spray may be applied any time of year.

Cut-Surface Stump Treatment

Cut stump treatments are effective on stumps with diameters larger than 3-4 inches in diameter.

- Cut trees and brush close to the soil surface. Apply this to the freshly cut surface of the stump *immediately* after cutting. Delays in application may reduce the effectiveness.
- Apply for full and thorough coverage of the cut surface. Treat the entire circumference of the stump by drenching the cambium (the outermost wood between the pith and the bark).
- Treatment will control or suppress many types of woody brush and trees, such as alder, bluegum eucalyptus, madrone, oak, giant reed, saltcedar, sweetgum and tan oak.
- The most favorable period for cut stump treatment occurs after full leaf stage in the spring and continues into early summer. Brush and trees treated in the late fall may not be fully controlled.
- Follow-up applications of this product or with a different herbicide may be needed under less favorable growing conditions and for hard-to-control species. Another choice for effective control with a cut-surface stump treatment is Gordon's Cleanout® Brush and Stump Spray.

For Lawn Renovation and Lawn Replacement

- Spot treatments or broadcast applications can be used to establish or renovate warm season and cool season turfgrass from seed or planting stock. This product may be applied before planting, seeding, sprigging, plugging, or sodding.
- Use EH-1391 Herbicide to remove the existing lawn and kill weeds and grasses. Uniform and complete spray coverage of all existing vegetation is required.

- Bermudagrass, nutsedge, torpedograss and deep rooted perennials may require a second treatment in 5 to 7 days.
- For best results, apply in spring or fall when daytime temperatures are at least 60° F.
- Best results are obtained when one mowing is skipped before and after the application of this product.
- If the lawn is dry, water lawn before applying EH-1391 Herbicide. Water again 2 to 3 days after application.
- Seeding, sprigging, plugging or sodding may be done at seven (7) days after application of this product. Prepare the soil for planting by raking, rototilling, vertical cutting, or other tillage method.
- Rake up and remove loosened thatch or debris.
- Mix in starter fertilizer and soil amendments if needed. Establish the lawn according to local cultural practice.

For Vine Control

- If vines are growing up poles, fences, or tree trunks with mature bark, cut vines to a height of 3 to 4 feet and spray vines thoroughly.
- If vines are climbing shrubs or tree trunks with green bark, cut vines at base and treat as directed for stumps or spray regrowth. If spraying regrowth, shield shrubs and green bark from spray drift with a piece of cardboard or plastic.

HOW AND WHEN TO APPLY:

- EH 1391 Herbicide is formulated for "spot" treatment of individual weeds and grasses. This product is ready-to-use (RTU) and is applied directly from the container fitted with a trigger sprayer. Adjust the sprayer tip to deliver coarse spray droplets to the individual weeds. Direct the spray to the target weeds—the ones you want to kill—to provide uniform and thorough coverage. Apply on a spray-to-wet basis.
- **[Supplemental registrants may include or omit instructions for use as an edger as presented in this paragraph.]** EH 1391 Herbicide is an easy edger for use around desirable plants and vegetation. To use, remove cap and fasten the built-in sprinkler applicator. For edging, turn container upside down. Walk slowly holding nozzle 2 to 6 inches above [weeds and grasses][area to be treated]. Thoroughly wet the foliage of the unwanted vegetation. A one-gallon container covers a 2 inch band 1,200 feet long. For larger area coverage, adjust the width of the spray pattern by varying the height of the container.]
- Apply when the weeds are growing actively and air temperatures are above 60°F.
- Spray [Use] when air is calm to prevent drift to desirable plants.
- When treating around desirable plants, shield plants from drift with a sheet of cardboard or plastic. If desirable plant is accidentally sprayed, rinse off immediately with water.
- One (1) application will kill most of the weeds listed.
- 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
- Weed control may be reduced under adverse environmental conditions, e.g., drought, cool temperatures or misapplication. Difficult to control weeds, dense infestations/populations, or heavy/dense growth (canopy) of the target species may require additional applications. Two (2) or more applications at four (4) weeks intervals may be required for season long control.
- Ornamental flowers, trees and shrubs may be planted 1 day after application.
- This 32 fl. oz. (quart) retail container size treats approximately 250 weeds or up to 875 sq. ft.
- This 64 fl. oz. (½ gallon) retail container size treats approximately 500 weeds or up to 1,750 sq. ft.
- This 128 fl. oz. (gallon) retail container size treats approximately 1,000 weeds or up to 3,500 sq. ft.

[OPTIONAL TEXT:]

GARDENS (vegetables, herbs, small fruits and berries):

This product may be applied before planting or transplanting of vegetables (garden crops), herbs and small fruits and berries. This product may be used as a broad spectrum postemergent herbicide prior to planting to control annual and perennial weeds including field bindweed, johnsongrass, or dallisgrass.

Spray the undesirable vegetation on a spray-to-wet basis. Uniform and complete spray coverage of all existing vegetation is required.

Planting intervals:

Blackberry, blueberry, boysenberry, currant, dewberry, elderberry, gooseberry, huckleberry, Loganberry, olallieberry, red raspberry and black raspberry	1 day
Artichoke (Jerusalem), beans (all) beet greens, broccoli, Brussels sprouts, cabbage (all), carrot, cauliflower, celery, chard (Swiss), chicory, collards, endive, horseradish, kale, kohlrabi, leek, lentils, lettuce, mustard greens, okra, onion, rape greens, parsley, parsnips, potato, radish, rhubarb, rutabaga, spinach, sweet potato, turnip and yams	1 day
Corn, cucumber, eggplant, garlic, gourds, melons (all), peas (all), peppers (all), pumpkin, squash (summer and winter), tomatillo, tomato (by seed) and watercress	3 days
Tomatoes from transplants and all berries, fruits, vegetables and herbs not on previous lists	30 days

Harvest Intervals:

Allow a minimum of 14 days between the last application of this product and harvest of berries:

Blackberry, blueberry, boysenberry, currant, dewberry, elderberry, gooseberry, huckleberry, Loganberry, olallieberry, red raspberry and black raspberry.

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.

[brand name] is a trademark of PBI/GORDON Corporation

APPENDIX

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

- ◆ Ready-To-Use -- no mixing
- ◆ For nonselective postemergent control of unwanted vegetation
- ◆ For nonselective weed control on noncrop/residential areas
- ◆ Contains glyphosate
- ◆ Quick and easy to use
- ◆ No leaks or mess
- ◆ Easy to store
- ◆ No mixing required
- ◆ Covers approximately # _____ sq. ft. (dependent upon container size)
- ◆ Systemic weed and grass killer for spot treatment of unwanted weeds and grasses
- ◆ Kills weeds and grasses listed on this label
- ◆ Kills to the root
- ◆ No soil residual activity
- ◆ Kills roots and all in 2-4 weeks
- ◆ Kills even the toughest weeds
- ◆ Eliminates undesirable vegetation in 2-4 weeks
- ◆ 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
- ◆ Ideal for vegetable garden weed control
- ◆ [Rain-Proof in hours][Rain-Proof in less than _____ hours.
- ◆ Results in as little as 24 hours
- ◆ [For product information and a complete list of weeds controlled] [For more information] [For questions or comments], [call toll-free 1 8xx-yyy-zzzz or visit (website address)]