

2217-796

7/28/08

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

PBI Gordon Corporation
1217 West 12th Street
Kansas City, Missouri 64101

JUL 28 2008

Subject: EPA Reg. 2217-796 (EH1148 Herbicide) 2,4-D RED Label Amendment

The labeling referred to above is in compliance with the 2,4-D RED provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
- 2) Please note: Final product reregistration can't be considered until after all active ingredients in this product are eligible for reregistration.
- 3) Change the Hazards to Humans and Domestic Animals statements to "Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eye wear (goggles, safety glasses, or faceshield), long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves (such as or made out of any waterproof material, selection category A)."
- 4) Delete "rate" from "rate recommendations".

Submit one copy of the revised final printed label for the record.

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 the label is enclosed for your records.

If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Joanne S. Miller".

Joanne Miller
Product Manager 23
Herbicide Branch
Registration Division (7505P)

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EH1148 HERBICIDE

EPA Reg. No. 2217-796

ACTIVE INGREDIENT:

Dimethylamine Salt of (+)-(R)-2-(2 methyl-4-chlorophenoxy)propionic acid.....	4.06%
Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid.....	4.20%
Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid).....	0.92%

INERT INGREDIENTS:.....	90.82%
TOTAL.....	100.00%

THIS PRODUCT CONTAINS:

- 0.29 lb (+)-(R)-2-(2 methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 3.35%
 - 0.30 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 3.50%
 - 0.07 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 0.77%
- Isomer Specific by AOAC Methods.

KEEP OUT OF REACH OF CHILDREN

WARNING

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUL 28 2008

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

0217-796

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as safety glasses. Wear long-sleeved shirt and long pants, shoes plus socks and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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 the 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. You may also contact 1-877-800-5556 for emergency medical treatment advice.	

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

DIRECTIONS FOR USE

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

General Precautions and Restrictions:

- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.
- Do not allow people or pets to enter the treated area until sprays have dried.

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

WHERE TO USE:

EH1148 Herbicide controls broadleaf weeds commonly found in cool season and warm season turfgrass in residential/domestic areas. Established turf of St. Augustinegrass, centipedegrass, bermudagrass, bentgrass, bluegrass, fescues, and zoysiagrass may be treated. Residential/domestic areas include turfgrass established around residences, apartment complexes, condominiums, vacant lots, or areas associated with households.

Do not apply this product to carpetgrass, dichondra, ornamentals, or lawns containing desirable clovers. Do not use on Floratam or other improved varieties of St. Augustinegrass in Florida.

The maximum control of weeds will be obtained from spring or fall applications when the weeds are actively growing. However, this product is effective anytime during the growing season. Refer to the partial list of broadleaf weeds controlled by EH1148 Herbicide.

WEEDS CONTROLLED			
Bedstraw	Dollarweed	Pepperweed	Speedwell
Black Medic	Ground Ivy	Pigweed	Spurge
Buckhorn	Healall	Plantains	Wild Carrot
Burdock	Henbit	Poison Ivy	Wild Garlic
Chicory	Knotweed	Poison Oak	Wild Lettuce
Chickweed	Lambsquarters	Purslane	Wild Onion
Clover	Lespedeza	Ragweed	Yarrow
Dandelion	Mallow	Sheep Sorrel	and other broadleaf
Dock	Morningglory	Shepherds Purse	weeds in lawns & turf.

HOW TO USE:

Hose-end sprayers, backpack sprayers, knapsack sprayers, and pressure sprayers are suitable for broadcast treatments. Apply EH1148 Herbicide with sufficient water for good coverage. Spray volumes of 2 gallons per 1000 sq.ft. are recommended.

The rate recommendations for each turfgrass are presented as follows:

Turfgrass	Amount of EH1148 Herbicide	Treated Area (Sq.Ft.) for	
		1 pint (16 fl.oz.) container	1 quart (32 fl. oz.) container
St. Augustinegrass and Centipedegrass	2.8 fl. ozs./1000 sq.ft.	5,720 sq.ft.	11,400 sq.ft.
Bermudagrass and Bentgrass	3.7 fl. ozs./1000 sq.ft.	4,320 sq.ft.	8,640 sq.ft.
Bluegrass, Fescues, and Zoysiagrass	5.6 fl. ozs./1000 sq.ft.	2,860 sq.ft.	5,720 sq.ft.

Limitations on broadcast applications to residential turfgrass

The maximum application rate is 5.6 fl.oz. of product per 1,000 sq.ft. per application (0.57 lbs 2,4-D ae, 0.55 lb MCP-p ae and 0.13 lb dicamba ae per acre per application). The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. The maximum seasonal rate is 11.2 fl.oz. of product per 1,000 sq.ft. (1.14 lbs 2,4-D ae, 1.10 lb MCP-p ae and 0.26 lb dicamba ae per acre).

Hose-End Sprayers:

Determine the required amount of EH1148 Herbicide from Table 1 for the appropriate area and turfgrass. Spray volumes of 2 gallons per 1,000 square feet are recommended.

For concentrate sprayers, add only the required amount of EH1148 Herbicide listed in Table 1.

For dilution sprayers, add the required amount of EH1148 Herbicide and fill the sprayer with water to the proper level.

Table 1. Application Rates for Hose-End Sprayers

Area to be Treated	Spray Volume	Amount of EH1148 Herbicide		
		St. Augustinegrass, Centipedegrass	Bentgrass, Bermudagrass	Bluegrass, Fescue, Zoysiagrass
250 sq.ft.	1 gal.	0.7 fl. oz.	0.9 fl. oz.	1.4 fl. oz.
1,000 sq.ft.	4 gal.	2.8 fl. oz.	3.7 fl. oz.	5.6 fl. oz.
2,000 sq.ft.	8 gal.	5.6 fl. oz.	7.4 fl. oz.	11.2 fl. oz.
5,000 sq.ft.	20 gal.	14.0 fl. oz.	18.5 fl. oz.	28.0 fl. oz.
6,000 sq.ft.	24 gal.	16.8 fl. oz.	22.2 fl. oz.	33.6 fl. oz.

Equivalent Measures: 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs.) or 6 teaspoons (tsp.)
 2 fl.ozs. = 4 Tbs. 16 fl.ozs. = 1 pint. 32 fl.ozs. = 1 quart

Pressure Sprayers:

Determine the required amount of EH1148 Herbicide from Table 2 for the appropriate area and turfgrass. Spray volumes of 2 gallons per 1,000 square feet are recommended. Adjust the sprayer nozzle to deliver a coarse spray and apply uniformly.

Table 2. Application Rates for Pressure Sprayers

Area to be Treated	Spray Volume	Amount of EH1148 Herbicide		
		St. Augustinegrass, Centipedegrass	Bentgrass, Bermudagrass	Bluegrass, Fescues, Zoysiagrass
250 sq.ft.	1/2 gal	0.7 fl. oz.	0.9 fl. oz.	1.4 fl. oz.
500 sq.ft.	1 gal.	1.4 fl. oz.	1.9 fl. oz.	2.8 fl. oz.
1,000 sq.ft.	2 gal.	2.8 fl. oz.	3.7 fl. oz.	5.6 fl. oz.
1,500 sq.ft.	3 gal.	4.2 fl. oz.	5.6 fl. oz.	8.4 fl. oz.

Equivalent Measures: 1 fluid ounce = 2 tablespoons or 6 teaspoons

Spot Treatments:

Spot treatments may be appropriate for sparse weed infestations or as a follow-up treatment for dense weed infestations. Mix 1 fluid ounce or 2 tablespoons of EH1148 Herbicide with 1 gallon of water. Spray

the weeds only and avoid spray droplets on the turfgrass. Observe a 30 day interval for follow-up treatments between the first and second application.

Limitations on spot treatments:

Spot treatment is defined as a treatment area no greater than 1,000 sq.ft. per acre. The maximum application rate is 5.6 fl.oz. per 1,000 sq.ft. per application (0.55 lbs MCP-P acid equivalent per acre). The maximum number of spot treatments is limited to 2 per year with a minimum of 30 days between applications.

APPLICATION SUGGESTIONS:

1. Delay mowing 3 to 4 days before and after the application of this product.
2. Do not apply this product immediately before rainfall or irrigation. Also, rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.
3. Treated areas of common bermudagrass, bluegrass, and fescue may be reseeded 3 to 4 weeks after application.
4. Do not allow spray to drift to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area;
5. Do not apply this product when turfgrass is under stress from drought, insect attack, or high temperatures (90°F). Avoid applications to St. Augustinegrass when the air temperature is greater than 90°F with high relative humidity.

Other Use Precautions:

Do not apply as a fine mist because of potential for injury to desirable plants. Do not use this product on or near desirable plants, including within the drip line of the roots of desirable trees and shrubs, since injury may result.

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day. Rinse applicator over lawn area only.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Keep from freezing. Store in original container and place in locked storage area.

CONTAINER DISPOSAL: **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partially filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

LIMITED WARRANTY AND DISCLAIMER

FOR USE ONLY AS DIRECTED.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price

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will be refunded in full. The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

APPENDIX

1. Statements which may appear on different label components depending on packaging configuration.

- See next panel for additional Precautionary Statements and First Aid
- Net Contents: _____
- EPA Est. No. _____

DOCUMENT CONTROL INFORMATION

- 1. Unique Label Identifier:** 002217-00796.20080305.doc
- 2. Previous Version:** AP070103
- 3. Reason for Issue:** Various changes pertaining to re-registration. Re-format label.