

2217-820

12/03/2008

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

3 DEC 2008

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

PBI/Gordon Corporation
1217 West 12th Street
P.O. Box 014090
Kansas City, Missouri 64101

Subject: EPA Reg. 2217-820 / EH1149 Herbicide (Response to Agency letter dated July 18, 2008)

The labeling referred to above is acceptable provided that you:

1) To the Hazards to Humans and Domestic Animals section add "Wear protective eyewear."
After "Wash thoroughly...or using the toilet." add "Remove and wash clothing before reuse."
See "Acute Tox. Review"

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 D. Miller".

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

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ACCEPTED
with COMMENTS
In EPA Letter Dated:
3 - DEC 2008

EH1149 HERBICIDE

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

EPA Reg. No. 2217-820

2217-820

ACTIVE INGREDIENT:

Mecoprop-p, dimethylamine salt	2.73%
2,4-D, dimethylamine salt	2.93%
Dicamba, dimethylamine salt	0.60%

OTHER INGREDIENTS: 93.74%

TOTAL 100.00%

THIS PRODUCT CONTAINS:

0.19 lb. (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 2.25%

0.20 lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 2.44%

0.04 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.50%

Isomer Specific by AOAC Methods.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

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:

EH1149 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, buffalograss, bahiagrass, Kentucky bluegrass, perennial ryegrass, 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 'Floritam' 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 EH1149 Herbicide.

WEEDS CONTROLLED			
Annual yellow sweetclover	Cockle	Musk thistle	Spiny amaranth
Aster	Cocklebur	Mustard	Spiny cocklebur
Austrian fieldcress	Common mullein	Narrowleaf plantain	Spiny sowthistle
Bedstraw	Creeping jenny	Narrowleaf vetch	Spotted catsear
Beggarticks	Cudweed	Nettle	Spotted spurge
Betony, Florida	Curly dock	Orange hawkweed	Spurweed
Bindweed, field	Daisy, English	Oriental cocklebur	Stinging nettle
Bird vetch	Daisy fleabane	Oxalis	Strawberry, India mock
Bitter wintercress	Daisy, oxeye	Parsley-piert	Tall nettle
Bittercress, hairy	Dandelion	Parsnip	Tall vervain
Bitterweed	Dichondra	Pearlwort	Tansy ragwort
Black-eyed Susan	Dogbane	Pennycress	Tansy mustard
Black medic	Dogfennel	Pennywort	Tanweed
Black mustard	Dollarweed	Peppergrass	Thistle
Blackseed plantain	Elderberry	Pepperweed	Trailing crownvetch
Blessed thistle	False dandelion	Pigweed	Tumble mustard
Bloodflower milkweed	False flax	Pineywoods bedstraw	Tumble pigweed
Blue lettuce	False sunflower	Plains coreopsis (tickseed)	Velvetleaf
Blue vervain	Fiddleneck	Plantain	Venice mallow
Bracted plantain	Florida pusley	Poison ivy	Virginia buttonweed

WEEDS CONTROLLED			
Brassbuttons	Frenchweed	Poison oak	Virginia creeper
Bristly oxtongue	Galinsoga	Pokeweed	Virginia pepperweed
Broadleaf dock	Goathead	Poorjoe	Water pennywort
Broadleaf plantain	Goldenrod	Prairie sunflower	Wavyleaf bullthistle
Broomweed	Ground ivy	Prickly lettuce	Western clematis
Buckhorn	Gumweed	Prickly sida	Western salsify
Buckhorn plantain	Hairy fleabane	Prostrate knotweed	White mustard
Bulbous buttercup	Hawkweed	Prostrate pigweed	Wild aster
Bull thistle	Healall	Prostrate spurge	Wild buckwheat
Bullnettle	Heartleaf drymary	Prostrate vervain	Wild carrot
Burclover	Heathaster	Puncturevine	Wild four-o'clock
Burdock	Hedge bindweed	Purslane, common	Wild garlic
Burning nettle	Hedge mustard	Ragweed	Wild geranium
Burweed	Hemp	Red sorrel	Wild lettuce
Buttercup	Henbit	Redroot pigweed	Wild marigold
Buttonweed	Hoary cress	Redstem filaree	Wild mustard
Canada thistle	Hoary plantain	Rough cinquefoil	Wild onion
Carolina geranium	Hoary vervain	Rough fleabane	Wild parsnip
Carpetweed	Horsenettle	Russian pigweed	Wild radish
Catchweed bedstraw	Jimsonweed	Russian thistle	Wild rape
Catnip	Knawel	Scarlet pimpernel	Wild strawberry
Catsear	Knotweed	Scotch thistle	Wild sweet potato
Chickweed, common	Kochia	Sheep sorrel	Wild vetch
Chickweed, mouseear	Lambsquarters	Shepherdspurse	Woodsorrel
Chicory	Lespedeza	Slender plantain	Woolly croton
Cinquefoil	Mallow	Smallflower galinsoga	Woolly morningglory
Clover, crimson	Matchweed	Smooth dock	Woolly plantain
Clover, hop	Mexicanweed	Smooth pigweed	Wormseed
Clover, red	Milk vetch	Sorrel	Yarrow
Clover, strawberry	Morningglory	Sowthistle	Yellow rocket
Clover, sweet	Mouseear hawkweed	Spanishneedles	Yellowflower pepperweed
Clover, white	Mugwort	Speedwell	and other broadleaf weeds

HOW TO USE:

Hose end sprayers, backpack sprayers, knapsack sprayers, and hand-operated sprayers are suitable for broadcast treatments. Apply EH1149 Herbicide with sufficient water for good coverage.

The rate recommendations for each turfgrass as a broadcast treatment are presented in Table 1 as follows:

Turfgrass	Amount of EH1149 Herbicide	Treated Area (Sq.Ft.) for:		
		1 pint (16 fl.oz.) container	1 quart (32 fl.oz.) container	1 gallon (128 fl.oz.) container
St. Augustinegrass, buffalograss, bahiagrass, bentgrass, and centipedegrass	4.0 fl.oz./1000 sq.ft. or 2.0 fl.oz./500 sq.ft.	4,000 sq.ft.	8,000 sq.ft.	32,000 sq.ft.
Bermudagrass, perennial ryegrass, fescues, Kentucky bluegrass, and zoysiagrass	6.0 fl.oz./1000 sq.ft. or 3.0 fl.oz./500 sq.ft.	2,665 sq.ft.	5,330 sq.ft.	21,300 sq.ft.

Limitations on broadcast applications to residential turfgrass

The maximum application rate is 6 fl.oz. of product per 1,000 sq.ft. per application (0.41 lbs 2,4-D ae, 0.39 lb MCP-p ae and 0.08 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 12 fl.oz. of product per 1,000 sq.ft. (0.82 lbs 2,4-D ae, 0.78 lb MCP-P ae and 0.16 lb dicamba ae per acre).

Hose End Sprayers:

Determine the required amount of EH1149 Herbicide from Table 2 for the appropriate area and turfgrass.

For concentrate sprayers, add only the required amount of EH1149 Herbicide listed in Table 2.

For dilution sprayers, add the required amount of EH1149 Herbicide and fill the sprayer with water to the proper level.

Table 2. Application rates for hose end sprayers.

Area to be Treated, Sq.Ft.	Spray Volume, Gallons	Amount of EH1149 Herbicide	
		St. Augustinegrass, Buffalograss, Bahiagrass, Bentgrass, Centipedegrass	Bermudagrass, Perennial Ryegrass, Kentucky Bluegrass, Fescues, Zoysiagrass
250 sq.ft.	1 gal.	1.0 fl.oz.	1.5 fl.oz.
1,000 sq.ft.	4 gal.	4.0 fl.oz.	6.0 fl.oz.
2,000 sq.ft.	8 gal.	8.0 fl.oz.	12.0 fl.oz.
5,000 sq.ft.	20 gal.	20.0 fl.oz.	30.0 fl.oz.
6,000 sq.ft.	24 gal.	24.0 fl.oz.	36.0 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.

For Backpack Sprayers, Knapsack Sprayers, Hand-Operated Sprayers, And Tank Sprayers:

Determine the required amount of EH1149 Herbicide from Table 3 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 3. Application rates as a broadcast treatment for backpack sprayers, knapsack sprayers, hand-operated sprayers, and tank sprayers.

Area to be Treated, Sq.Ft.	Spray Volume, Gallons	Amount of EH1149 Herbicide	
		St. Augustinegrass, Buffalograss, Bahiagrass, Bentgrass, Centipedegrass	Bermudagrass, Perennial Ryegrass, Kentucky Bluegrass, Fescue, Zoysiagrass
250 sq.ft.	1/2 gal	1.0 fl.oz.	1.5 fl.oz.
500 sq.ft.	1 gal	2.0 fl.oz.	3.0 fl.oz.
1,000 sq.ft.	2 gal	4.0 fl.oz.	6.0 fl.oz.
1,500 sq.ft.	3 gal	6.0 fl.oz.	9.0 fl.oz.

Equivalent Measures: 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs.) or 6 teaspoons (tsp.)

Spot Treatments For St. Augustinegrass, Buffalograss, Bahiagrass, Bentgrass, Centipedegrass, Bermudagrass, Perennial Ryegrass, Fescues, Kentucky Bluegrass, and Zoysiagrass:

Spot treatments may be appropriate for sparse weed infestations or as a follow-up treatment for dense weed infestations. Mix 2 fluid ounces or 4 tablespoons of EH1149 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 6 fl.oz. per 1,000 sq.ft. per application (0.39 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.

RECOMMENDATIONS AND ADVISORIES:

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 may be reseeded 3 to 4 weeks after application.
4. Avoid spray drift onto 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 air temperatures are 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 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. _____

2. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:

Contains Trimec® Herbicide

- Kills even the tough weeds...roots and all!
- Controls even the tough weeds...roots and all!
- Treats northern and southern grasses.
- Kills the root.
- Treats up to _____ square feet.
- Covers up to _____ square feet.
- Water based.
- Mix 3 fl.oz. (Concentrate) Per Gallon For Lawns (read and follow all label directions).
- Contains Trimec® (2.93% 2,4-D, DMA Salt; 2.73% MCPP-p, DMA Salt; and 0.60% Dicamba, DMA Salt) Herbicide.
- Kills and (&) Controls Over 200 Broadleaf Weed, Including Dandelions, Clovers, Plantains (full list of broadleaf weeds on back panel).
- Treats Cool Season and (&) Warm Season Turfgrass
- **Application:** Anytime Weeds Are Growing.
- **Product Facts:** Treats 21,300 square feet of lawn.
- **Kills Weeds:** Dandelion, Clovers and Plantains, Plus over 200 Additional Lawn Weeds
- **Where to Use:** On Lawns for Cool Season and (&) Warm Season Turfgrass
- **Amount to Use:**
- Kentucky Bluegrass, Perennial Ryegrass, Fescues, Bermudagrass and Zoysiagrass: 3.0 fl. oz./gal of water covers 500 sq. ft.
- Centipedegrass, Bahiagrass, Bentgrass and Buffalograss: 2.0 fl. oz./gal of water covers 500 sq. ft.
- Optional Warranty Statements:
- **NOTICE:** Buyer assumes all risks of use, storage or handling of this product not in accordance with directions.
- **GUARANTEE:** If for any reason you are not satisfied with this product, mail us proof of purchase to obtain a full refund of your purchase price.

3.. Alternate Brand Names:

- BL 5000 - 866 Herbicide

DOCUMENT CONTROL INFORMATION

1. **Unique Label Identifier:** 002217-00820.20080820.proposed.doc

2. **Reason for Issue:** Respond to EPA comments dated 7/28/08