

2217-898

11/10/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

2217-898

NOV 10 2009

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

EH-1442 Herbicide

Name and Address of Registrant (include ZIP Code):

PBI/Gordon Corporation
1217 West 12th Street
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 reregistered in accordance with FIFRA section 4(g)(2)(C) provided 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. Make all the following changes to the product label:
 - a. In the Ingredients statement footnote, specify the amount of active ingredient per gallon for dicamba, MCPP-p, and carfentrazone-ethyl.
 - b. In the Ingredients statement, include the footnote "Contains petroleum distillates."
 - c. Change the heading from "Inert Ingredients" to "Other Ingredients".
 - d. Revise the Hazards to Humans and Domestic Animals section to read as follows:
"CAUTION: Harmful if absorbed through skin or swallowed. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of either barrier laminate, butyl rubber, nitrile rubber, or viton. 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."

Continued on Page 2

Signature of Approving Official:

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

LSI

Date:

NOV 10 2009

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- e. Revise the First Aid heading from "If on skin" to "If on skin or clothing".
- f. The Environmental Hazards section should be revised per PR Notice 2008-1 by replacing the text "Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate." with the appropriate text based on formulation type.
- g. Add the statement "Do not contaminate water, food, or feed by storage and disposal." directly below the Storage and Disposal heading.
- h. Revise the heading from "Container Disposal" to "Pesticide and Container Disposal" and revise the text to read "Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain."
- i. Add the phrase "To the extent consistent with applicable law" directly in front of the warranty statements "The manufacturer neither makes nor intends any express or implied warranties..." and "In no case shall the manufacturer be liable for incidental..."
- j. On pages 4 & 9, remove the word "General" from the heading "General Precautions and Restrictions".
- k. On pages 4 & 9, revise the restriction to read "Do not enter or allow people or pets on treated area until sprays **has** **have** dried."
- l. On pages 5 & 6, revise the sentence to read "Over-application ~~or~~ **of** rates above those ~~recommended~~ **specified** on this label can cause turf injury."
- m. Throughout the labeling, revise the maximum application/seasonal rate restrictions by including lb ai/ae per acre information for all 4 active ingredients.
- n. On pages 7 & 13, remove the sentence "A partial list is presented below." since the list is comprehensive and not a partial listing of weeds controlled.
- o. On page 8, revise the sentence to read "Broadcast (entire areas) application or follow-up applications at ~~2 to 6~~ **4 to 6** week intervals are recommended for more mature weeds..."
- p. On page 9 under Kills Weeds and throughout the claims appendices, ensure that the claims include no more than the number of weeds listed in the Weeds Controlled table.
- q. The following claims must be removed or revised as they are false and misleading:
 - i. "100% root kill"
 - ii. "Total root kill"
 - iii. "Complete [root] [weed] kill"
 - iv. "Special lawn formula"
 - v. "Maximum weed [root] kill"
 - vi. "Kills (broadleaf) weeds - roots ~~and all~~"

- vii. "Kills all major broadleaf lawn weeds including dandelion, chickweed, knotweed, in lawns."
 - viii. "Kills all major broadleaf lawn weeds including dandelion, clover, oxalis, chickweed, knotweed, plantain, henbit, spurge and others"
 - ix. "Specially formulated for residential use"
 - x. "Superior cool weather performance"
 - xi. "Maximum weed control"
- r. Remove the word "Now" and "New" from the following claims as this product is older than 6 months and is no longer new:
- i. "New for northern and southern lawns"
 - ii. "New formula for northern and southern grasses/lawns"
 - iii. "New faster acting"
 - iv. "New faster results"
 - v. "New fast acting"

The basic Confidential Statement of Formula (CSF) dated August 31, 2007 is acceptable, and will supercede all previously accepted CSFs.

A stamped copy of your label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after twelve (12) months from the date of this notice must bear the new revised label. 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.

Enclosure

40918

Language Common to All Sublabels

EH-1442 HERBICIDE

EPA Reg. No. 2217-898

ACTIVE INGREDIENT:

2,4-D, 2-ethylhexyl ester.....	7.31%
Mecoprop-p acid.....	1.85%
Dicamba acid.....	0.46%
Carfentrazone-ethyl.....	0.37%

INERT INGREDIENTS:	90.01%
TOTAL.....	100.00%

THIS PRODUCT CONTAINS:

0.35 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 4.85%.
Isomer Specific by AOAC Methods.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

NOV 10 2009

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

2217-898

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. 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 swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin:	<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.
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.	
NOTE TO PHYSICIAN: Contains petroleum distillates - vomiting may cause aspiration pneumonia.	

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**STORAGE AND DISPOSAL**

PESTICIDE STORAGE: Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

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. 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. 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.

SUBLABEL 1

Directions For Use will be intended for use by homeowners only on lawns and turfgrass in residential sites. This product will be marketed by PBI/Gordon Corporation.

DIRECTIONS FOR USE

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

Read entire label before using this product.

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 enter or allow people or pets on treated area until sprays has 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.

PRODUCT DESCRIPTION:

EH-1442 Herbicide is a combination of four proven weed killers[: 2,4-D, mecoprop-p, dicamba and carfentrazone-ethyl]. Postemergent applications of this product control a wide range of broadleaf lawn weeds in residential lawns including dandelion, chickweed, spurge, pennywort (dollarweed), knotweed, plantain, clover and ground ivy (creeping charlie).

WHERE TO USE:

EH-1442 Herbicide can be applied to residential lawns with the following turfgrass species:

Kentucky bluegrass	Common bermudagrass
Perennial ryegrass	Hybrid bermudagrass
Tall fescue	Bahiagrass
Red or fine leaf fescues	Buffalograss
Colonial bentgrass	Zoysiagrass
Mixtures of cool season species	St. Augustinegrass (except 'Floritam')
	Centipedegrass

Turfgrass tolerance:

When used as directed, EH-1442 Herbicide kills weeds without harming your lawn. Turfgrass species listed on this label have demonstrated tolerance to this product. EH-1442 Herbicide may injure certain turfgrass species, however when applied to diseased turf, in drought conditions or other extreme conditions. To reduce risk of lawn injury, avoid spraying drought stressed lawns or when temperatures are above 90°F.

St. Augustinegrass, centipedegrass and hybrid bermudagrass may vary in their tolerance to this product, and temporary turfgrass yellowing may occur. Use the lowest application rate listed on this labeling for St. Augustinegrass, centipedegrass and hybrid bermudagrass to minimize the potential injury symptoms. Do not apply this product to St. Augustinegrass during spring green-up which is the transition period between dormancy and active growth. Do not use this product on 'Floritam' St. Augustinegrass in Florida.

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A. Entire Lawn Treatments With READY-TO-USE HOSE-END SPRAYERS:

This product may be packaged as a ready-to-use product with no mixing. The retail plastic container is fitted with a sprayer body that delivers spray droplets at a fixed rate.

Use rates of EH-1442 Herbicide as a broadcast treatment are presented in Table 1.

This retail sprayer bottle will cover the approximate areas described below when this product is applied to established turfgrass. Over-application or rates above those recommended on this label can cause turf injury.

Table 1. Approximate treated areas of turfgrass when applying EH-1442 Herbicide with a ready-to-use hose-end sprayer.			
Species	Amount Of Product to Use	Treated area, sq.ft.	
		1.0 pt. (16 fl.oz.) sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Kentucky bluegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Colonial bentgrass, Mixtures of cool season species Common bermudagrass, bahiagrass and zoysiagrass	3.0 fl.oz./1,000 sq.ft.	5,300 sq.ft	10,600 sq.ft
St. Augustinegrass (except 'Floritam') Centipedegrass and Hybrid bermudagrass	1.5 fl.oz./1,000 sq.ft.	10,600 sq.ft.	21,300 sq.ft.

Instructions for a ready-to-use hose-end sprayer:

- Determine (Measure) the total lawn area to be sprayed by multiplying the length by the width to obtain total square feet.
- **CONNECT:** Attach [connect] garden hose to spray nozzle. Turn the spray nozzle lever (valve) to the "OFF" position.
- **SPRAY:** Turn on water at faucet. Extend hose to the farthest area of lawn [turf] to be treated. To begin spraying, turn [rotate] the spray nozzle lever (valve) to the "SPRAY" (ON) position. The herbicide mixes automatically with the water. Walk at a steady pace while spraying evenly and working towards the faucet. Refer to view strip [graduated scale] on side of container to guide coverage. [This xx fl. oz. container will treat up to xxxx sq.ft. of turfgrass.]
- **FINISH:** To stop spraying, turn [rotate] spray nozzle lever [valve] to the "OFF" position. Turn off water at faucet. To relieve pressure, turn [rotate] spray nozzle to the "SPRAY" (ON) position and point sprayer away from any desirable plants before disconnecting the sprayer nozzle from the garden hose.

B. Entire Lawn Treatments With DIAL TYPE HOSE-END SPRAYERS

Three (3) Steps To Mix And Apply:

1. FILL

- Determine (Measure) the total lawn area to be sprayed by multiplying the length by the width to obtain total square feet.
- Add an adequate amount of herbicide to the spray bottle, as indicated on the following chart, to treat the total lawn area. Do not add water to the sprayer jar.

2. SET THE DIAL

Set the dial to the rate per gallon and keep the dial set to this setting while spraying. Dial settings or rates per gallon for this product are presented as follows:

Turfgrass	Application rate	Dial setting or rate per gallon
Kentucky bluegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Colonial bentgrass, Mixtures of cool season species Common bermudagrass, bahiagrass and zoysiagrass	3.0 fl.oz./1,000 sq.ft.	1 oz. or 6 teaspoons or 2 Tablespoons
St. Augustinegrass (except 'Floritam') Centipedegrass and Hybrid bermudagrass	1.5 fl.oz./1,000 sq.ft.	3 teaspoons or 1 Tablespoon

3. SPRAY

Insert siphon tube into the base of the sprayer head, attach water hose to sprayer and apply evenly over the lawn. Over-application or rates above those recommended on this label can cause turf injury.

Limitations on broadcast applications to residential turfgrass

The maximum application rate is 3.0 fl.oz. of product per 1,000 sq.ft. per application (0.36 lbs 2,4-D ae, 0.14 lb MCP-P ae, and 0.04 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 6.0 fl.oz. of product per 1,000 sq.ft. (0.73 lbs 2,4-D ae, 0.28 lb MCP-P ae, and 0.07 lb dicamba ae per acre).

C. SPOT TREATMENTS

HAND OPERATED, PUMP-UP SPRAYERS OR COMPRESSED AIR SPRAYERS:

Mix an adequate amount of product with an appropriate amount of water as indicated on the following table for Spot Treatments to localized areas of weeds. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

Turfgrass	Spray volume, gals. of water	Amount of product	Area to be treated, sq.ft.
Kentucky bluegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Colonial bentgrass, Mixtures of cool season species Common bermudagrass, bahiagrass and zoysiagrass	1 gallon 2 gallons 3 gallons	1.0 fl.oz. (2 Tbs) 2.0 fl.oz. (4 Tbs) 3.0 fl.oz. (6 Tbs)	330 sq.ft. 660 sq.ft. 1,000 sq.ft.
St. Augustinegrass (except 'Floritam') Centipedegrass and Hybrid bermudagrass	1 gallon 2 gallons 3 gallons	0.5 fl.oz. (1 Tbs) 1.0 fl.oz. (2 Tbs) 1.5 fl.oz. (3 Tbs)	330 sq.ft. 660 sq.ft. 1,000 sq.ft.
Equal measures: 1.0 fl.oz. = 2 tablespoons. 1 tablespoon (Tbs) = 3 teaspoons (tsp)			

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 3.0 fl.oz. per 1,000 sq.ft. per application (0.14 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.

BROADLEAF WEEDS CONTROLLED:

EH-1442 Herbicide will control or suppress the following broadleaf weeds. A partial list is presented below.

Amaranth, purple	Cupid shaving Brush	Mustard, ball	Speedwell, common
Amaranth, slender	Cudweed	Mustard, black	Speedwell, corn
Aster, heath	Daisy, english	Mustard, blue	Speedwell, ivyleaf
Aster, white heath	Daisy, oxeye	Mustard, hedge	Speedwell, persian
Aster, purple	Dandelion, common	Mustard, indian,	Speedwell, purslane
Aster, white prairie	Dandelion, false	Mustard, tansy	Speedwell, slender
Artichoke	Day flower	Mustard, tumble	Speedwell, snow
Austrian fieldcress	Deadnettle	Mustard, white	Speedwell, thymeleaf
Bedstraw, Catchweed	Dichondra	Mustard, wormseed	Spiny amaranth
Bedstraw, smooth	Dock, broadleaf	Nettle, stinging (burning)	Spurge, spotted
Bedstraw, Northern	Dock, curly	Nettle, tall	Spurge, prostrate
Bedstraw, pineywoods	Dogbane	Nettle, wood	Spurweed
Beggarticks, hairy	Dogfennel	Parsley-piert	Star of Bethlehem
Betony, Florida	Dollarweed (Pennywort).	Parsnip	Strawberry, India mock
Bindweed, Field	Dove weed	Pearlwort	Tansy ragwort
Bindweed, Hedge	Elderberry	Pennycress (frenchweed)	Tanweed
Bitter Wintercress	Falseflax	Pepperweed, perennial	Thistle, blessed
Bittercress, hairy	False sunflower	Pepperweed, virginia	Thistle, bull
Bitterweed	Fiddleneck	(Peppergrass)	Thistle, canada
Black-eyed Susan	Filaree, redstem	Pigweed, prostate	Thistle, flodman (prairie)
Black Medic	Filaree, whitestem	Pigweed, redroot	Thistle, musk
Blood flower milkweed	Fleabane, daisy (annual)	Pigweed, russian	Thistle, platte
Blue lettuce	Fleabane, rough	Pigweed, smooth	Thistle, plumeless
Brassbuttons	Galinsoga, hairy	Pigweed, tumble	Thistle, russian
Bristly oxtongue	Galinsoga, smallflower	Pineapple weed	Thistle, scotch
Broomweed	Goldenrod	Plains coreopsis (tickseed)	Thistle, wavyleaf
Buckhorn	Ground ivy	Plantain, blackseed	Thistle, yellow (horrible)
Bullnettle	Groundsel	Plantain, bracted	Trailing crownvetch
Burclover	Gumweed	Plantain, broadleaf	Velvetleaf
Burdock	Hairy fleabane	Plantain, buckhorn	Vervain, blue
Burweed, lawn (spurweed)	Hawkweed, meadow	Plantain, hoary	Vervain, hoary
Buttercup, bulbous	Hawkweed, mouseear	Plantain, narrowleaf	Vervain, prostrate
Buttercup, creeping	Hawkweed, orange	Plantain, slender	Vervain, tall
Buttonweed, common (poorjoe)	Hawkweed, yellow	Plantain, woolly	Vetch, bird
Buttonweed, virginia	Healall	Poison ivy	Vetch, hairy
Carolina geranium (wild)	Heartleaf drymary	Poison oak	Vetch, milk
Carpetweed	Hemp	Pokeweed	Vetch, narrowleaf
Catnip	Henbit	Prairie Sunflower	Vetch, wild
Catsear, spotted (false dandelion)	Hoary cress	Prickly lettuce (compass plant)	Virginia creeper
Chamber bitter	Horsenettle	Prickly sida	Western clematis
Chickweed, common	Horseweed	Prostrate knotweed	Western salsify
Chickweed, mouseear	Jimsonweed	Puncturevine	Wild aster
Chickweed, sticky	Johnny-Jumpup violet	Purslane, common	Wild buckwheat
Chicory	Knawel	Pusley, brazil	Wild carrot
Cinquefoil	Knotweed, prostrate	Pusley, florida	Wild four-o'clock
Clover, crimson	Kochia	Pusley, large flower	Wild garlic
Clover, alyce	Lambsquarters	Ragweed, bur	Wild lettuce
Clover, hop	Lespedeza	Ragweed, common	Wild marigold
Clover, rabbit foot	Mallow, alkali	Ragweed, lanceleaf	Wild mustard (yellow rocket)
Clover, red	Mallow, bristly	Ragweed, western	Wild onion
Clover, strawberry	Mallow, common	Redstem filaree	Wild parsnip
Clover, yellow sweet	Mallow, dwarf	Rough cinquefoil	Wild radish
Clover, white sweet	Mallow, venice	Scarlet pimpernel	Wild rape
Clover, white	Marcela	Shepardspurse	Wild strawberry
Cockle	Matchweed	Smartweed, ladythumb	Wild sweet potato
Cocklebur	Mexicanweed	Smartweed, pale	Wild violet
Cocklebur, oriental	Moneywort	Smartweed, pennsylvania	Woodsorrel, creeping
Cocklebur, spiny	Morningglory, bigroot	Smooth chaff-flower	Woodsorrel, violet
Common mullein	Morningglory, ivyleaf	Smoothdock	Woodsorrel, yellow (Oxalis)
Corn Spurry	Morningglory, mexican	Sorrel, red (sheep)	Woolly croton
Creeping Beggarweed	Morningglory, red	Sowthistle, annual	Wormseed
Creeping Jenny (creeping charlie)	Morningglory, tall	Sowthistle, spiny	Yarrow, common
	Morningglory, wolly	Spanish needles	Yarrow, western
	Mugwort	Speedwell, bi-lobed	Yarrow, yellow

TIPS FOR BEST RESULTS

When to Apply	<p>Spring and fall</p> <p>for established lawns</p> <p>for newly seeded areas</p> <p>for newly sodded, sprigged, or plugged areas</p>	<p>Spray when broadleaf weeds are young and actively growing for best results.</p> <p>EH-1442 Herbicide may be applied in the spring, summer or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective.</p> <p>Broadcast (entire areas) applications or follow-up applications at 2 to 6 week intervals are recommended for more mature weeds, for dense infestations, and for adverse environmental conditions.</p> <p>Spot treatments during the summer may be appropriate for sparse infestations, as a follow-up treatment, or any time broadleaf weeds are susceptible.</p> <ul style="list-style-type: none"> • Apply when daytime temperatures are below 90°F. • Apply this product to newly seeded grasses when well-established (approximately 6 weeks after seedling emergence) or after the third mowing. • Apply this product 3 to 4 weeks after the sodding, sprigging, or plugging operations.
Seeding:		<ul style="list-style-type: none"> • Treated areas can be reseeded at 2 weeks after the application of this product.
Irrigation:	<p>Non-stressed turfgrass</p> <p>Stress from high temperatures, drought, insects or diseases.</p>	<ul style="list-style-type: none"> • Adequate soil moisture and favorable growing conditions enhance the performance of this product. • Avoid applications of this product when turfgrasses are under stress since injury may result. If dry conditions exist, schedule irrigations (watering) before and after the application. For best results, delay the irrigation until approximately 24 hours after application of this product.
Mowing:		<ul style="list-style-type: none"> • Avoid mowing 1 to 2 days before and after the application of this product.
Nontarget plants:		<ul style="list-style-type: none"> • Do not apply this product to carpetgrass, dichondra, food crops (gardens, fruits and vegetables), forage crops, or ornamental plants including flowers, trees, shrubs, hedges, woody ornamentals, groundcovers established in landscape plantings and other nontarget plants. • 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.

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SUBLABEL 2

Directions For Use will be intended for use by homeowners only on lawns and turfgrass in residential sites and marketed by supplemental registrants.

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 enter or allow people or pets on treated area until sprays has 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.

PRODUCT FACTS:	
<ul style="list-style-type: none"> • Treats up to 5,300 square feet. Pint Size • Treats up to 10,600 square feet. Quart Size • Treats up to 42,600 square feet. Gallon Size 	
KILLS WEEDS:	Dandelion, Clover, Chickweed plus over xxx additional broadleaf weeds
WHERE TO USE:	On Lawns
AMOUNT TO USE:	For Bentgrass, hybrid bermudagrass and buffalograss St. Augustinegrass (except 'Floritam') and centipedegrass Use: 1.5 fluid ounce (3 Tablespoons) / gallon of water / 1,000 square feet
	For Kentucky bluegrass, fescues, perennial ryegrass, bahiagrass, common bermudagrass and zoysiagrass: Use: 3 fluid ounces (6 Tablespoons) / gallon of water / 1,000 square feet
	Questions, Comments or Medical Information? Call: 1-800-xxx-xxxx • http://www.company name.com

WHERE TO USE:

EH-1442 Herbicide is intended for use on most ornamental lawns including Kentucky bluegrass, perennial ryegrass, fescues, common bermudagrass, hybrid bermudagrass, bahiagrass, bentgrass, buffalograss, centipedegrass, zoysiagrass, and St. Augustinegrass.

FOR BEST RESULTS

WHEN TO APPLY	<ul style="list-style-type: none"> • Spray when air is calm to avoid spray drift onto landscape plants as contact with foliage may injure flowers, shrubs, trees, and other desirable plants. • Spray when: <ul style="list-style-type: none"> ○ weeds are small and actively growing. ○ temperature is below 90°F. ○ air is calm to avoid spray drift onto landscape plants as contact with foliage may injure flowers, shrubs, trees, and other desirable plants. • Reapplication can be made in 30 days if necessary. • Newly seeded lawn can be sprayed after first mowing.
Seeding:	<ul style="list-style-type: none"> • Treated areas can be reseeded at 2 weeks after the application of this product.
Irrigation:	<ul style="list-style-type: none"> • Adequate soil moisture and favorable growing conditions enhance the performance of this product. If soil is dry, water 1 to 2 days before application. Rain or watering more than 1 hour after application should not reduce effectiveness.
Mowing:	<ul style="list-style-type: none"> • Avoid mowing 1 to 2 days before and after the application of this product.
Nontarget plants:	<ul style="list-style-type: none"> • Do not apply this product to carpetgrass, dichondra, food crops (gardens, fruits and vegetables), forage crops, or ornamental plants including flowers, trees, shrubs, hedges, woody ornamentals, groundcovers established in landscape plantings and other nontarget plants. • Do not use this product on 'Floritam' St. Augustinegrass, or lawns containing desirable clovers • 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.

HOW MUCH TO USE:

A. For Tank Sprayers

Spot treat broadleaf weeds with this product as they appear. Repeat treatment for hard-to-control weeds in 30 days. Do not exceed specified dosages for any area.

For St. Augustinegrass and centipedegrass, bentgrass, hybrid bermudagrass and buffalograss:

- Mix 1/2 fluid ounce (1 Tablespoon.) of product per gallon of water to cover 300 square feet of lawn.
- Do not use on 'Floritam' St. Augustinegrass. Do not apply to St. Augustinegrass or centipedegrass emerging from winter dormancy. Temperatures below 45°F within 72 hours of application may cause damage.

For Kentucky bluegrass, fescues, perennial ryegrass, bahiagrass, common bermudagrass and zoysiagrass:

- Mix 1 fluid ounce (2 Tablespoons) of product per gallon of water to cover 300 square feet.

Equal measures: 1 Tablespoon (Tbs.) = 3 Teaspoons (tsp.) = 1/2 fluid ounce (fl.oz.)

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 3.0 fl.oz. per 1,000 sq.ft. per application (0.14 lbs MCPP-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.

B. For Ortho® Dial-N-Spray® hose-end sprayers

THREE EASY STEPS TO MIX AND APPLY

1. Measure the lawn area to be sprayed. Calculate square feet by multiplying length by width.
2. Carefully mix the proper amount of concentrate with water. See below for directions for the Ortho® Dial-N-Spray® hose-end sprayer below
3. Spray evenly over the lawn.

Narrative format:

For St. Augustinegrass, centipedegrass, bentgrass, hybrid bermudagrass and buffalograss:

- Add 1.5 fl.oz. of product into sprayer jar for each 1,000 sq.ft. of lawn. Do not add water to jar. Set dial to 1 Tablespoon (Tbs) and spray.

For Kentucky bluegrass, fescues, perennial ryegrass, bahiagrass, common bermudagrass and zoysiagrass:

- Add 3 fl.oz. of product into sprayer jar for each 1,000 sq.ft. of lawn. Do not add water to the container jar. Set dial on 1 oz. and spray.

Equal Measures: 1 Tablespoons = 3 Teaspoons (tsp.) = 1/2 fl.oz.

Tabular Format [optional]

Lawn Grass	Sprayer Type	Product To Measure	Area to Treat	Comments
St. Augustinegrass* and centipedegrass Bentgrass, hybrid bermudagrass and buffalograss	Tank Sprayer	0.5 fl.oz. (1 Tbs.) into 1 gallon of water and spray.	300 sq.ft.	*Do not use on 'Floritam' St. Augustinegrass.
	Dial 'N Spray®	1.5 fl.oz. (3 Tbs.) into sprayer jar. DO NOT ADD WATER. Set dial on 1 tablespoon (Tbs.) and spray	1,000 sq.ft.	Do not apply to St. Augustinegrass and centipedegrass emerging from winter dormancy.
	Ortho Plant & Weed Sprayette®	1.5 fl.oz. (3 Tbs.) into sprayer jar. DO NOT ADD WATER. Set dial on 1 tablespoon (Tbs.) and spray	1,000 sq.ft.	Applying when temperatures below 45°F within 72 hours of application may cause damage
Kentucky bluegrass, fescues perennial ryegrass, Common bermudagrass, bahiagrass, and zoysiagrass	Tank Sprayer	1 fl.oz. (2 Tbs.) into 1 gallon of water and spray.	300 sq.ft.	
	Dial 'N Spray®	3 fl.oz. (6 Tbs.) into sprayer jar. DO NOT ADD WATER. Set dial on 1 oz. and spray.	1,000 sq.ft.	
	Ortho Plant & Weed Sprayette®	3 fl.oz. (6 Tbs.) into sprayer jar. Fill with water to the 5 gallon mark and spray.	1,000 sq.ft.	
Equal Measures: 1 Tablespoons = 3 Teaspoons (tsp.) = 0.5 fl.oz.				

Limitations on broadcast applications to residential turfgrass

The maximum application rate is 3.0 fl.oz. of product per 1,000 sq.ft. per application (0.36 lbs 2,4-D ae, 0.14 lb MCP-p ae, and 0.04 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 6.0 fl.oz. of product per 1,000 sq.ft. (0.73 lbs 2,4-D ae, 0.28 lb MCP-p ae, and 0.07 lb dicamba ae per acre).

C. Ready-to-use hose-end sprayers

THREE EASY STEPS TO MIX AND APPLY

1. Measure the lawn area to be sprayed. Calculate square feet by multiplying length by width.
2. See below for directions for the ready-to-use hose-end sprayer below.
3. Spray evenly over the lawn.

AMOUNT TO SPRAY

Use the amount indicated for your type of lawn:

St. Augustinegrass (except 'Floritam'), centipedegrass, bentgrass, hybrid bermudagrass and buffalograss:

- (Quart size): This container covers approximately 21,300 square feet.
- (Pint Size) This container covers approximately 10,600 square feet

Bahiagrass, bermudagrass, fescues, Kentucky bluegrass, perennial ryegrass and zoysiagrass:

- (Quart size): This container covers approximately 10,600 square feet.
- (Pint size): This container covers approximately 5,300 square feet.

Limitations on broadcast applications to residential turfgrass

The maximum application rate is 3.0 fl.oz. of product per 1,000 sq.ft. per application (0.36 lbs 2,4-D ae, 0.14 lb MCP-p ae, and 0.04 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 6.0 fl.oz. of product per 1,000 sq.ft. (0.73 lbs 2,4-D ae, 0.28 lb MCP-p ae, and 0.07 lb dicamba ae per acre).

BROADLEAF WEEDS CONTROLLED:

EH-1442 Herbicide will control or suppress the following broadleaf weeds. A partial list is presented below.

Amaranth, purple	Cupid shaving Brush	Mustard, ball	Speedwell, common
Amaranth, slender	Cudweed	Mustard, black	Speedwell, corn
Aster, heath	Daisy, english	Mustard, blue	Speedwell, ivyleaf
Aster, white heath	Daisy, oxeye	Mustard, hedge	Speedwell, persian
Aster, purple	Dandelion, common	Mustard, indian,	Speedwell, purslane
Aster, white prairie	Dandelion, false	Mustard, tansy	Speedwell, slender
Artichoke	Day flower	Mustard, tumble	Speedwell, snow
Austrian fieldcress	Deadnettle	Mustard, white	Speedwell, thymeleaf
Bedstraw, Catchweed	Dichondra	Mustard, wormseed	Spiny amaranth
Bedstraw, smooth	Dock, broadleaf	Nettle, stinging (burning)	Spurge, spotted
Bedstraw, Northern	Dock, curly	Nettle, tall	Spurge, prostrate
Bedstraw, pineywoods	Dogbane	Nettle, wood	Spurweed
Beggarticks, hairy	Dogfennel	Parsley-piert	Star of Bethlehem
Betony, Florida	Dollarweed (Pennywort)	Parsnip	Strawberry, India mock
Bindweed, Field	Dove weed	Pearwort	Tansy ragwort
Bindweed, Hedge	Elderberry	Pennycress (frenchweed)	Tanweed
Bitter Wintercress	Falseflax	Pepperweed, perennial	Thistle, blessed
Bittercress, hairy	False sunflower	Pepperweed, virginia	Thistle, bull
Bitterweed	Fiddleneck	(Peppergrass)	Thistle, canada
Black-eyed Susan	Filaree, redstem	Pigweed, prostate	Thistle, fiodman (prairie)
Black Medic	Filaree, whitestem	Pigweed, redroot	Thistle, musk
Blood flower milkweed	Fleabane, daisy (annual)	Pigweed, russian	Thistle, platte
Blue lettuce	Fleabane, rough	Pigweed, smooth	Thistle, plumeless
Brassbuttons	Galinsoga, hairy	Pigweed, tumble	Thistle, russian
Bristly oxtongue	Galinsoga, smallflower	Pineapple weed	Thistle, scotch
Broomweed	Goldenrod	Plains coreopsis (tickseed)	Thistle, wavyleaf
Buckhorn	Ground ivy	Plantain, blackseed	Thistle, yellow (horrible)
Bullnettle	Groundsel	Plantain, bracted	Trailing crownvetch
Burclover	Gumweed	Plantain, broadleaf	Velvetleaf
Burdock	Hairy fleabane	Plantain, buckhorn	Vervain, blue
Burweed, lawn (spurweed)	Hawkweed, meadow	Plantain, hoary	Vervain, hoary
Buttercup, bulbous	Hawkweed, mouseear	Plantain, narrowleaf	Vervain, prostrate
Buttercup, creeping	Hawkweed, orange	Plantain, slender	Vervain, tall
Buttonweed, common (poorjoe)	Hawkweed, yellow	Plantain, woolly	Vetch, bird
Buttonweed, virginia	Healall	Poison ivy	Vetch, hairy
Carolina geranium (wild)	Heartleaf drymary	Poison oak	Vetch, milk
Carpetweed	Hemp	Pokeweed	Vetch, narrowleaf
Catnip	Henbit	Prairie Sunflower	Vetch, wild
Catsear, spotted (false dandelion)	Hoary cress	Prickly lettuce (compass plant)	Virginia creeper
Chamber bitter	Horsenettle	Prickly sida	Western clematis
Chickweed, common	Horseweed	Prostrate knotweed	Western salsify
Chickweed, mouseear	Jimsonweed	Puncturevine	Wild aster
Chickweed, sticky	Johnny-Jumpup violet	Purslane, common	Wild buckweat
Chicory	Knawel	Pusley, brazil	Wild carrot
Cinquefoil	Knotweed, prostrate	Pusley, florida	Wild four-o'clock
Clover, crimson	Kochia	Pusley, large flower	Wild garlic
Clover, alyce	Lambsquarters	Ragweed, bur	Wild lettuce
Clover, hop	Lespedeza	Ragweed, common	Wild marigold
Clover, rabbit foot	Mallow, alkali	Ragweed, lanleaf	Wild mustard (yellow rocket)
Clover, red	Mallow, bristly	Ragweed, western	Wild onion
Clover, strawberry	Mallow, common	Redstem filaree	Wild parsnip
Clover, yellow sweet	Mallow, dwarf	Rough cinquefoil	Wild radish
Clover, white sweet	Mallow, venice	Scarlet pimpernel	Wild rape
Clover, white	Marcela	Shepardspurse	Wild strawberry
Cockle	Matchweed	Smartweed, ladysthumb	Wild sweet potato
Cocklebur	Mexicanweed	Smartweed, pale	Wild violet
Cocklebur, oriental	Moneywort	Smartweed, pennsylvania	Woodsorrel, creeping
Cocklebur, spiny	Morningglory, bigroot	Smooth chaff-flower	Woodsorrel, violet
Common mullein	Morningglory, ivyleaf	Smoothdock	Woodsorrel, yellow (Oxalis)
Corn Spurry	Morningglory, mexican	Sorrel, red (sheep)	Woolly croton
Creeping Beggarweed	Morningglory, red	Sowthistle, annual	Wormseed
Creeping Jenny (creeping charlie)	Morningglory, tall	Sowthistle, spiny	Yarrow, common
	Morningglory, wolly	Spanish needles	Yarrow, western
	Mugwort	Speedwell, bi-lobed	Yarrow, yellow

APPENDIX FOR ALL SUBLABELS

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. _____

APPENDIX FOR SUBLABEL 1

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

- Rainfast in as little as 1 hours
- Rainfast [Rainproof] in 1 hour
- Visible results in just 24 hours
- Clover control in as little as one week
- Proven cool-weather performance
- Consistently fast control on tough weeds like clover, plantain, ground ivy and spurge [various other listed weeds].
- [This product] Smokes weeds, fast
- From the makers of Trimec® herbicides.
- For information call XXX-XXX-XXXX [contact www.xxx-xxxx.com]

This product offers these advantages:

- Rapid and effective weed control for common and troublesome weed species in turfgrass
- Superior cool weather performance.
- Fast acting with evidence of injury within hours. Generally, the injury symptoms can be noticed within hours of the application and plant death can occur within 7 to 14 days.
- Kills the weeds, not the lawns
- For a beautiful [weed-free] lawn
- For a weed-free lawn
- Kills [controls] broadleaf weeds
- [See] Results in 24 hours
- Control you can see in 24 hours
- Use on northern and southern turf
- Use on northern turf
- Use on southern turf
- Guaranteed
- Won't harm your lawn [when used as directed]
- 100% root kill
- Total root kill
- Complete [root] [weed] kill
- Kills the hard to control weeds
- Kills over 250 [tough] lawn weeds
- Kills the toughest [lawn] weeds
- Scientifically formulated for lawns
- Special lawn formula
- Helps keeps lawn healthy [and weed free]
- Maximum weed [root] kill
- Kills weeds, not lawns
- Overnight results

- Treats up to XXXXX sq. ft.
- Just attach to hose and spray
- Attach to hose and spray
- Tough on weeds, easy on lawns
- Easy to use
- Results overnight
- Use with dial type sprayers
- Use with dial N Spray [or tank sprayers]

2. Trademark acknowledgements

- TRIMEC® is a registered trademark of PBI/Gordon Corporation.
- Ortho® Dial'N Spray® Hose-End Sprayer is a registered trademark of The ORTHO Group

APPENDIX FOR SUBLABEL 2

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

- Kills dandelion, chickweed, knotweed, plantain, henbit, spurge and many other broadleaf lawn weeds.
- Kills weeds - not lawn grasses.
- Kills weeds - not lawns.
- For lawns containing Kentucky bluegrass, fescues, bentgrass, perennial ryegrass, bermudagrass, bahiagrass, centipedegrass, zoysiagrass, St. Augustinegrass, and buffalograss.
- Can be applied with hose-end or pump-up (tank) sprayers.
- Kills (broadleaf) weeds - roots and all.
- For northern and southern grasses.
- Won't harm lawn grasses when used as directed.
- Kills weeds in your lawn.
- Formulated for use on northern and sensitive southern lawns.
- Kills all major broadleaf lawn weeds: List of the weed species.
- Helps provide a beautiful lawn.
- For cool and warm season lawn grasses.
- Kills all major broadleaf lawn weeds including dandelion, chickweed, knotweed, in lawns.
- For use on grass lawns especially Kentucky bluegrass, fescues, perennial ryegrass, bentgrass, bermudagrass, bahiagrass, centipedegrass, zoysiagrass, St. Augustinegrass, and buffalograss.
- Can be used on St. Augustinegrass, bentgrass, and buffalograss.
- A Trimec® Turf Herbicide Formulation.
- Controls dandelion, chickweed, knotweed, plantain, henbit, spurge and many other broadleaf lawn weeds including those shown on the side panel.
- "One quart covers up to xxx square feet (of southern turfgrass)" or "One pint covers up to xxx square feet (of southern turfgrass)".
- Treats up to (Number) square feet.
- Kills over xxx broadleaf lawn weeds including dandelion and others.
- Makes up to (Number) gallons of spray.
- Now for northern and southern lawns.
- New formula for northern and southern grasses/lawns.
- Kills all major broadleaf weeds including dandelion, clover, oxalis, chickweed, knotweed plantain, henbit, spurge and others.
- Concentrate
- Now faster acting
- Now faster results
- Now fast acting
- Rain-fast in 1 hour
- For control that doesn't/won't wash away/off.

- Effective even with rain in 1 hours.
- Specially formulated for residential use
 - Kills all major broadleaf lawn weeds including dandelion, clover, oxalis, chickweed, knotweed, plantain, henbit, spurge and many others.
 - One easy step to a weed free lawn - Helps promote a beautiful lawn..
 - Simple easy to use/one step application
 - Simple and easy.
 - Use (Brand Name) to kill broadleaf weeds in lawns including dandelion, clover, oxalis, chickweed, knotweed, plantain, henbit, spurge, and many others. Won't harm bahiagrass, bentgrass, bermudagrass, bluegrass, buffalograss, centipedegrass, fescues, rye or zoysiagrass. Can also be used on St. Augustinegrass except Floratam.
 - 1 pint covers 5,300 to 10,600 sq.ft. (1 quart covers 10,600 to 21,300 sq.ft.) depending on lawn. See inside booklet for complete instructions. Specially formulated for residential use.
 - CONVENIENT .
 - ECONOMICAL - Use to cover small or large areas.
 - Rapid and effective weed control for common and troublesome weed species in turfgrass.
 - Superior cool weather performance.
 - Fast acting with evidence of injury within hours. Generally, the injury symptoms can be noticed in hours and plant death can occur within 7to14 days.
 - Kills the weeds, not the lawn.
 - Kills broadleaf weeds
 - See results in 24 hours.
 - Won't harm your lawn when used as directed.
 - Kills hard to control weeds.
 - Kills over xxxx tough lawn weeds.
 - Maximum weed control
 - Kills weeds, not lawns
 - The performance leader
 - Treats up to xxxx sq.ft.
 - Tough on weeds, easy on lawns
- **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.

DOCUMENT CONTROL INFORMATION

1. **Unique Label Identifier:** 002217-00898.20080305.doc
2. **Previous Version:** AP100606
3. **Reason for Issue:** Various changes pertaining to re-registration. Re-format label.