

2217-820

8-31-2001

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

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

AUG 31 2001

Mr. Craig Martens
PBI/Gordon Corporation
Post Office Box 014090
Kansas City, Missouri 64101

Dear Mr. Martens:

Subject: Conversion from MCPP to MCPP-p
EH1149 Herbicide
EPA Registration Number: 2217-820
Your Amendment Application
Submission Dated June 6, 2001, Application
Resubmission Dated August 28, 2001

The Agency is conditionally approving an amendment to the registration of the above-referenced product under the authority of section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under this amendment the Agency is approving the conversion of the active ingredient mecoprop from its racemic form [2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salt thereof] to its single isomer form [(+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salt thereof]. The revised labeling and Confidential Statement(s) of Formula submitted in support of the conversion are acceptable with the following provisions:

1. This acceptance is based on your certification that no changes have been made to the Confidential Statement(s) of Formula (CSF) or the product labeling other than those specified within the body of your certification statement. No other revisions are being reviewed or considered with this action.
2. You may sell or distribute product containing the racemic form of mecoprop and bearing the previously approved labeling for 18 months from the date of this letter.

A copy of the revised Confidential Statement of Formula (Basic and Alternate Formulation, dated 08/27/01) has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

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A stamped copy of the labeling is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosures

MHOWARD

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Official Name: **EH1149 HERBICIDE**

Brand Name: **BL 5000 - 866 Herbicide**

ACTIVE INGREDIENTS:

Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid	2.73%
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	2.93%
Dimethylamine Salt of Dicamba: 3,6-dichloro-o-anisic acid.....	0.60%
INERT INGREDIENTS:	<u>93.74%</u>
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%
- Contains the single isomer form of Mecoprop-p.
- Isomer Specific by AOAC Methods.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for additional Precautionary Statements
and Statement of Practical Treatment

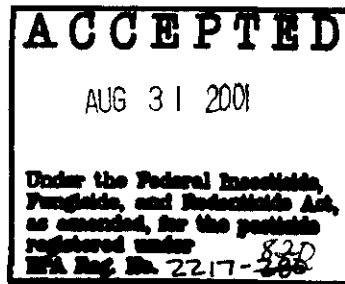
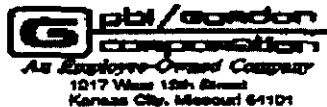
NET CONTENTS: 1 PINT (16 fl.oz.) or 1 QUART (32 fl.oz.)

APXXXXXX

EPA Reg. No. 2217-820 Amend

EPA Est. No. 2217-KS-X

MANUFACTURED BY:





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

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PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

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

When using this product, wear long-sleeved shirt, long pants, socks, shoes, and rubber gloves. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Statement of Practical Treatment

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

ENVIRONMENTAL HAZARDS:

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. Do not apply when weather conditions favor drift from target area.

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried or dust has settled.

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

STORAGE & DISPOSAL

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

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.

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.

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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
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

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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
St. Augustinegrass, buffalograss, bahiagrass, bentgrass, and centipedegrass	4.0 fl. ozs./1000 ft ²	4,000 ft ²	8,000 ft ²
Bermudagrass, perennial ryegrass, fescues, Kentucky bluegrass, and zoysiagrass	6.0 fl. ozs./1000 ft ²	2,665 ft ²	5,330 ft ²

The maximum application rate to turf is 0.50 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

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.

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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.	½ 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 10 to 14 day interval for follow-up treatments between the first and second application.

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; be particularly careful within dripline of tree and other ornamental species.
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.

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.

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APPENDIX

I. Advertising claims that may be presented on the retail containers of supplemental registrants.

- ◆ 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.