

2217-694

2211012009

1/9



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

10 FEB 2009

PBI/Gordon Corp.
1217 West 12th Street
Kansas City, MO 64101

Subject: 2,4-D RED Label Amendment
Trimec Broadleaf Herbicide
EPA Reg. No. 2217-694

The labeling referred to above is in compliance with the 2,4-D RED and are amended under the 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. Make the following changes to the product labeling:
 - a. Per the acute toxicity review, the text "Harmful if absorbed through skin" should follow "Harmful if swallowed"
 - b. Per the acute toxicity review, the First Aid headings should be in the following order:
"IF IN EYES:....
IF SWALLOWED:....
IF ON SKIN OR CLOTHING:....
IF INHALED:...."
 - c. The Note to Physician should address the primary eye irritation Toxicity Category I. The following statements are some suggested types of information that could be included, if applicable:
 - technical information on symptomatology;
 - use of supportive treatments to maintain life functions;
 - medicine that will counteract the specific physiological effects of the pesticide;
 - company telephone number to specific medical personnel who can provide specialized medical advice.

Continued on Page 2

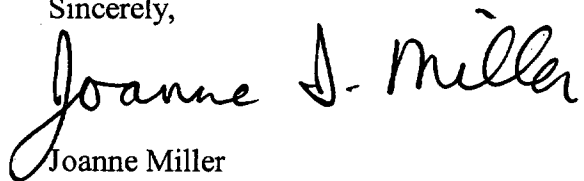
- d. Remove "(except for applicators using ground boom equipment)" under the PPE section on Pg. 1.
- e. Per the 2,4-D RED, the first sentence of the Environmental Hazards section should read:
"This pesticide is toxic to fish and aquatic..."
- f. Remove the text "excluding spot treatments" in the second sentence on Pg. 4.
- g. Per the 2,4-D RED, revise the following for the Spray Drift Management section:
 - 1. The Droplet Size text should read:

"When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or courser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles."
 - 2. Add the following text as the last sentence of the Wind Speed section:

"If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field."

Please Note: Final product reregistration cannot be considered until after all active ingredients in this product are eligible for reregistration.

A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,

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

3
9

TRIMEC® BROADLEAF HERBICIDE

EPA Reg. No. 2217-694

ACTIVE INGREDIENT:

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	30.56%
Dimethylamine salt of (+)-(R)-2-(2 methyl-4-chlorophenoxy)propionic acid	8.17%
Dimethylamine salt of dicamba (3,6-dichloro-o-anisic acid)	2.77%
INERT INGREDIENTS:	58.50%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

- 2.38 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 25.38%
- 0.63 lbs. (+)-(R)-2-(2 methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 6.75%
- 0.21 lbs. 3,6-dichloro-o-anisic acid equivalent per gallon or 2.30%

TRIMEC® is a registered trademark of PBI/Gordon Corporation.

Isomer Specific by AOAC Methods.

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

10 FEB 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

DANGER

KEEP FROM FREEZING

2217-694

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Harmful if absorbed through skin. 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.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- protective eyewear,
- long-sleeved shirt and long pants,
- shoes and socks,
- chemical-resistant gloves (except for applicators using ground boom equipment) and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.



4
9

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • 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: Probable mucosal damage may contraindicate the use of gastric lavage.

Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters 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.

5
9

GENERAL PRECAUTIONS AND RESTRICTIONS:

- Do not enter or allow people (or pets) to enter the treated area until sprays have dried.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- Do not apply this product through any type of irrigation system.
- Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Do not apply this product to 'Floritam' St. Augustinegrass.
- Use only lawn type sprayers. Do not exceed specified dosages for any area.
- Do not apply this product to warm season grasses during spring green-up which is the transition period between dormancy and active growth.
- Do not apply to newly seeded grasses until well established.
- Do not broadcast apply when air temperatures exceed 85°F; some injury may be expected with spot treatments when air temperatures exceed 85°F.
- Seed can be sown 3 to 4 weeks after application at recommended rate.
- After using this product, clean sprayer with soap or detergent and water, and rinse thoroughly before applying other pesticides.
- Do not use this product on or near desirable plants, including contact of spray on exposed root systems or adventitious shoots within the drip line of desirable trees and shrubs, since injury may result.

ORNAMENTAL LAWNS & TURF (INSTRUCTIONS):

Apply 2.3 to 4.0 pints of product per acre in sufficient water for adequate coverage. [For gallons: This container (128 fluid ounces or 1 gallon) will treat 2.0 to 3.5 acres of turfgrass. (or) One gallon covers up to 152,460 square feet.]

Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. Avoid applying during long excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours of application. Do not apply to newly seeded turf until after the second or third mowing. Grass seed can be sown 3 to 4 weeks after application. Do not use on dichondra and carpetgrass.

APPLICATION TYPE	DIRECTIONS
Kentucky bluegrass, fescue & perennial ryegrass	<p>Professional Lawn Maintenance or Mature Weeds: Use 2.3 to 4.0 pints of product per acre. Or, use 0.84 to 1.5 fluid ounces of product per 1,000 square feet with spray volumes of 0.5 to 5.0 gallons of spray solution per 1,000 square feet. The best time to control clover is in the fall. When making a spring application to control clover a 4 pints per acre rate is recommended.</p> <p>Controlled Droplet Applicator: Reduced rates must be used when grass is stressed from heat or drought. Do not use on St. Augustinegrass or centipedegrass. Add 2.0 pints Trimec® Broadleaf Herbicide to the Herbi container, then fill with 3.0 pints of water. Spray entire contents over 33,000 square feet (approx. 0.75 acre). Do not overlap between spray patterns.</p>
Bermudagrass & zoysiagrass	<p>Apply 3.0 to 4.0 pints of product per acre with spray volumes ranging from 20 to 220 gallons per acre. The equivalent application rates are 1.1 to 1.5 fluid ounces of product per 1,000 square feet with spray volumes of 0.5 to 5.0 gallons of spray solution per 1,000 square feet. Some hybrid bermudagrass may be sensitive to this product. Contact your local Extension Service Weed Control Specialist.</p>
St. Augustinegrass	<p>Apply 2.3 pints of product in up to 150 gallons of water per acre (1.2 fluid ounces in 5.0 gallons of water per 1,500 square feet). Do not spray St. Augustinegrass if stressed from heat, drought, etc. Slight turf yellowing should disappear after about one week. Do not apply this product to 'Floritam' St. Augustinegrass.</p>

6
9

APPLICATION TYPE	DIRECTIONS
Bentgrass	On closely mowed bentgrass (putting and bowling greens) apply at a maximum rate of one fluid ounce of product in 5 gallons of water per 1,500 square feet - preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week.
Note: Care should be taken to avoid overdosing bentgrass and St. Augustinegrass or injury may result. High spray volumes (i.e. one fluid ounce in 5.0 gallons of water per 1,500 square feet) will aid in obtaining uniform coverage. If hand operated sprayers are used, it is preferable to use a single nozzle rather than a multiple nozzle boom. Sweeping movements with a multiple nozzle boom will result in heavy local over application and subsequent turf discoloration or injury.	

Limitations on broadcast treatments for ornamental turfgrass:

The maximum application rate is 4.0 pints of product per acre per application (1.19 lbs 2,4-D ae, 0.32 lb MCP-p ae, and 0.11 lb dicamba ae per acre per application). For ornamental turfgrass, 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 8.0 pints of product per acre (2.38 lbs 2,4-D ae, 0.63 lb MCP-p ae, and 0.21 lb dicamba ae per acre), excluding spot treatments.

Limitations on spot treatments to residential turfgrass:

Spot treatment is defined as a treatment area no greater than 1,000 sq.ft. per acre. The maximum application rate is 1.5 fl.oz. per 1,000 sq.ft. per application (0.32 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.

Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Use only Medium or coarser spray nozzles according to ASAE (S 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. Do not apply with a nozzle height greater than 4 feet above the target site.

BROADLEAF WEEDS			
annual fleabane	dock	jimsonweed	ragweed
aster, white heath & white prairie	dogfennel	kochia	redweed
bedstraw	dovefoot geranium	lambsquarters	red sorrel (*sheep sorrel)
beggarticks	English daisy	lawn burweed	roundleaf greenbriar
beggarweed, creeping	false dandelion (*spotted catsear & common catsear)	lespedeza, common	shepherdspurse
bindweed	field bindweed	mallow, common	spotted spurge
birdsfoot trefoil	(*morningglory & creeping jenny)	matchweed	spurge
black medic	field madder	mouseear chickweed	sunflower
broadleaf plantain	field oxeye-daisy (*creeping oxeye)	mustard	thistle
buckhorn plantain	field pennycress	nettle	velvetleaf (*buttonweed)
bull thistle	filaree, whitestem & redstem	old world diamond flower	Venice mallow
burclover	Florida pusley	<i>Oxalis</i> (*yellow woodsorrel & creeping woodsorrel)	<i>Veronica</i> (*corn speedwell)
burdock, common	ground ivy	parsley-piert	Virginia buttonweed
buttercup, creeping	groundsel	Pennsylvania smartweed	Virginia-creeper
Carolina geranium	hairy bittercress	pennywort (*dollarweed)	western salsify
carpetweed	hawkweed	pepperweed	white clover (*Dutch clover, honeysuckle clover, white trefoil & purplewort)
chickweed, common	healall	pineappleweed	wild carrot
chicory	henbit	plantain	wild garlic
cinquefoil	horsenettle	poison ivy	wild geranium
clover	horseweed	poison oak	wild lettuce
cocklebur	innocence (Blue-eyed Mary)	prostrate knotweed (*knotweed)	wild mustard
compassplant		puncturevine	wild onion
curly dock		purple cudweed	wild strawberry
dandelion		purslane	yarrow
dayflower			yellow rocket
deadnettle			

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke. For Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITED WARRANTY AND DISCLAIMER

IMPORTANT: Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable,

8
9

return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 HEREBY EXPRESSLY DISCLAIMED.**

THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. 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. The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

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. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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:

- Treats northern and southern grasses including zoysia, bermuda, St. Augustine, Kentucky bluegrass, ryegrass, fescue and bentgrass.



9/9

- Controls dandelion, knotweed, henbit, chickweed, plantain, spurge and many other broadleaf weeds, including those listed on this label.
- One gallon covers up to 3.5 acres
- One gallon covers up to 152,460 square feet
- One quart covers up to 38,115 square feet
- For quarts: This container (32 fl.oz. or 1 quart) will treat 0.5 to 0.87 acre of turfgrass.
- For gallons: This container (128 fl.oz. or 1 gallon) will treat 2.0 to 3.5 acres of turfgrass.

DOCUMENT CONTROL INFORMATION

1. Unique Label Identifier: 002217-00694.20081105.proposed.doc

2. Reason for Issue: Various changes pertaining to re-registration. Re-format label.