



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 25, 2025

Eric D. Smith
Director, Regulatory Affairs
PBI/Gordon Corporation
P.O. Box 860350
Shawnee, KS 66286

Subject: Label Amendment - Registration Review Mitigation for Carfentrazone-ethyl & Mecoprop-p
Product Name: 1381 EC Residential
EPA Registration Number: 2217-864
Application Dates: May 1, 2018; July 5, 2022; & January 30, 2024
Decision Numbers: 596734 & 596735

Dear Eric D. Smith:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Carfentrazone-ethyl & Mecoprop-p Interim Decisions, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Caleb Carr by phone at (202) 566-0636, or via email at carr.caleb@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a stylized flourish at the end.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

1381 EC RESIDENTIAL

EPA Reg. No. 2217-864

ACTIVE INGREDIENTS:

2,4-D, 2-ethylhexyl ester	28.57%
Mecoprop-p acid	5.88%
Dicamba acid	1.71%
Carfentrazone-ethyl	0.62%
OTHER INGREDIENTS:	63.22%
TOTAL	100.00%

2,4-dichlorophenoxyacetic acid equivalent 18.95%.

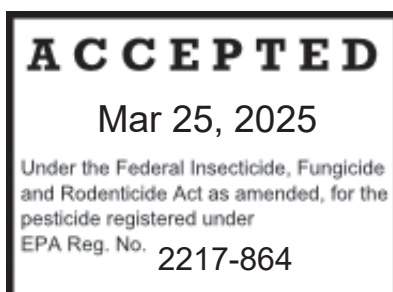
Isomer Specific By AOAC Methods.

Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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



See attached booklet [inside pages] for complete Precautionary Statements and Directions for Use, including First Aid and Storage and Disposal.

Net Contents: ____

EPA Est. No. ____

Company Name and Address:

PBI/Gordon Corporation

P.O. Box 860350

Shawnee, Kansas 66286



PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Hygiene Statements

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.

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 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact 1-877-800-5556 for emergency medical treatment information.	
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, 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 product has properties and characteristics associated with chemicals detected in groundwater. The use of this product 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.

Fish Advisory Statement: This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark, should be avoided. Do not contaminate water when disposing of equipment wash water or rinsate.

Non-target Organism Advisory Statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

DIRECTIONS FOR USE

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

1. Product Description

This Trimec® product 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, and clover.

This product offers these advantages:

- Rapid and effective weed control for common and troublesome weed species in turfgrass
- Cool weather performance.
- Injury symptoms on broadleaf weeds can be noticed within hours of the application and plant death can occur within 7 to 14 days.

2. Use Restrictions

- Only use for sites, pests, and application methods specified on this labeling.
- 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.
- The maximum broadcast application rate is 1.5 fl. oz. of product per 1,000 sq.ft. per application [(0.8 lb 2,4-D ae, 0.25 lb MCP-P ae, 0.07 lb dicamba ae, and 0.025 lb carfentrazone ai per acre per application)].
- The maximum annual broadcast application rate is 3.0 fl. oz. of product per 1,000 sq.ft. per year [(1.6 lb 2,4-D ae, 0.50 lb MCP-P ae, 0.14 lb dicamba ae, and 0.05 lb carfentrazone ai per acre)], excluding spot treatments.
- The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications.
- The maximum spot treatment application rate is 1.5 fl. oz. of product per 1,000 sq.ft. per application [(0.8 lb 2,4-D ae, 0.25 lb MCP-P ae, 0.07 lb dicamba ae, and 0.025 lb carfentrazone ai per acre per 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 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 overwater the treated areas to the point of runoff or apply when raining or when rain is expected that day. Rinse applicator over lawn or garden area only.
- Do not apply as a fine mist because of potential for injury to desirable plants.

3. Where To Use

This product is intended for use on most ornamental lawns including:

- **Cool Season Turfgrass:** Kentucky bluegrass, perennial ryegrass, tall fescue, red or fine leaf fescues, colonial bentgrass, mixtures of cool season species
- **Warm Season Turfgrass:** common Bermudagrass, hybrid Bermudagrass, zoysiagrass

The turfgrass tolerance to 1381 EC Residential may vary and temporary turfgrass yellowing may occur on certain varieties (hybrids) of hybrid bermudagrass.

1381 EC Residential may injure certain turfgrass species. To reduce risk of lawn injury, avoid spraying drought stressed lawns or when temperatures are above 85°F.

Prohibitions:

- Do not use this product on bahiagrass, buffalograss, carpetgrass, centipedegrass, dichondra, St. Augustinegrass, or lawns containing desirable clovers.
- Do not spray roots of trees and ornamentals.
- Do not allow spray to drift onto vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result.
- Do not exceed specified dosages for any area. Be particularly careful within dripline of trees and other ornamental species.

4. When To Use

Spray when broadleaf weeds are young and actively growing for best results.

1381 EC Residential may be applied in the spring, summer, or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. 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. Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment, or any time broadleaf weeds are susceptible.

Irrigation:

- Do not apply this product immediately before rainfall or irrigation. Rain or watering within 4 hours after treatment may reduce effectiveness.

Mowing:

- Delay mowing 1 to 2 days before and after the application of this product.

Reseeding Interval:

- Treated areas may be reseeded 2 weeks after application.

THREE EASY STEPS TO MIX AND APPLY:

1. Determine (Measure) the lawn area to be sprayed. Calculate square feet by multiplying length by width. The application rate for this product is presented as fl.oz. (tablespoons) per 1000 sq.ft. of lawn.
2. Use hand-operated sprayers (backpack sprayers, compression (pump-up) sprayers, knapsack sprayers or tank type) or hose end sprayers. Carefully measure and mix the proper amount of product with water. See below for instructions for the various types of sprayers.
3. Spray evenly over the lawn.

5. How Much To Apply**Broadcast Treatments for Cool Season Turfgrass**

Use rates of 1381 EC Residential on cool season turfgrass as broadcast treatments are presented in Table 1.

TABLE 1. RATE RECOMMENDATIONS FOR COOL SEASON TURFGRASS.					
Species	Amount of Product fl.oz./1,000 sq.ft.	Approximate Treated Area, sq.ft.			
		8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	20 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	1.4	5,700 sq.ft.	11,400 sq.ft.	14,300 sq.ft.	22,800 sq.ft.
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Broadcast Treatments for Warm Season Turfgrass

Use rates of 1381 EC Residential on warm season turfgrass as broadcast treatments are presented in Table 2.

TABLE 2. RATE RECOMMENDATIONS FOR WARM SEASON TURFGRASS.					
Species	Amount of Product fl.oz./1,000 sq.ft.	Approximate Treated Area, sq.ft.			
		8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	20 fl.oz. sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Common bermudagrass	1.5	5,400 sq.ft.	10,900 sq.ft.	13,300 sq.ft.	21,800 sq.ft.
Hybrid bermudagrass, Zoysiagrass	1.1	7,300 sq.ft.	14,500 sq.ft.	18,200 sq.ft.	29,100 sq.ft.

6. How To Apply

6.1 For Ortho Hose-End Sprayers for Cool Season Turfgrass

- For Ortho® Dial'N Spray Hose-End Sprayer or Gilmour® Dial-a-Mix® Lawn and Garden Sprayer:

Set the dial - Set dial on 3 tsp. (1 Tbs.) per gallon.

Fill - Determine [Measure] the lawn area to be sprayed. Calculate square feet by multiplying length by width. The application rate for this product is 1.4 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.

Spray - Spray evenly over the lawn.

Example: Measure 4.0 fl.oz. (8 Tbs.) into sprayer jar. Do not add water. Set dial on 3 teaspoons (tsp.) and spray uniformly on 3,000 sq.ft. of lawn.

- For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Ratio of 80:1:

For 1.4 fl.oz. of product per 1,000 sq.ft.: Measure 9 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.

6.2 Spot Treatments for Cool Season Turfgrass

Hand Operated Sprayers

For cool season turfgrass, mix 1.0 fl.oz. of 1381 EC Residential per 1.0 gallon of water for treatment of approximately 1,000 sq.ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible.

Spray preparation for spot treatments on cool season turfgrass			
Spray volume, gals. Of water	Fluid ounces (fl.oz.) of product	Tablespoons (tbs.) of product	Area to be treated, sq.ft.
1 gallon	1.0 fl.oz.	2.0 tbs.	1,000 sq.ft.
2 gallons	2.0 fl.oz.	4.0 tbs.	2,000 sq.ft.
3 gallons	3.0 fl.oz.	6.0 tbs.	3,000 sq.ft.

Equal measures: 1.0 fl.oz. = 2 tablespoons.

6.3 For Ortho Hose-End Sprayers for Warm Season Turfgrass

For common bermudagrass:

- **For Ortho® Dial'N Spray Hose-End Sprayer or Gilmour® Dial-a-Mix® Lawn and Garden Sprayer:**
Set the dial - Set dial on 3 tsp. (1 Tbs.) per gallon.
Fill - Determine [Measure] the lawn area to be sprayed. Calculate square feet by multiplying length by width. The application rate for this product is 1.5 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.
Spray - Spray evenly over the lawn.
Example: Measure 4.4 fl.oz. (9 Tbs.) into sprayer jar. Do not add water. Set dial on 3 teaspoons (tsp.) and spray uniformly on 3,000 sq.ft. of lawn.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Ratio of 80:1:**
For 1.5 fl.oz. of product per 1,000 sq.ft.: Measure 10.0 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.

For hybrid bermudagrass and zoysiagrass:

- **For Ortho® Dial'N Spray Hose-End Sprayer or Gilmour® Dial-a-Mix® Lawn and Garden Sprayer:**
Set the dial - Set dial on 2 tsp. per gallon.
Fill - Determine [Measure] the lawn area to be sprayed. Calculate square feet by multiplying length by width. The application rate for this product is 1.1 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.
Spray - Spray evenly over the lawn.
Example: Measure 3.3 fl.oz. (6.6 Tbs.) into sprayer jar. Do not add water. Set dial on 2 teaspoons (tsp.) and spray uniformly on 3,000 sq.ft. of lawn.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Ratio of 80:1:**
For 1.1 fl.oz. of product per 1,000 sq.ft.: Measure 7.3 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.

6.2 Spot Treatments for Warm Season Turfgrass

Hand Operated Sprayers

For warm season turfgrass, mix 0.75 to 1.0 fl.oz. of 1381 EC Residential per 1.0 gallon of water for treatment of approximately 1,000 sq.ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible.

Spray preparation for spot treatments on warm season turfgrass			
Spray volume, gals. of water	Fluid ounces (fl.oz.) of product	Tablespoons (tbs.) of product	Area to be treated, sq.ft.
1 gallon	0.75 to 1.0 fl.oz.	1.5 to 2.0 tbs.	1,000 sq.ft.
2 gallons	1.5 to 2.0 fl.oz.	3.0 to 4.0 tbs.	2,000 sq.ft.
3 gallons	2.25 to 3.0 fl.oz.	4.5 to 6.0 tbs.	3,000 sq.ft.

Equal measures: 1.0 fl.oz. = 2 tablespoons.

7. Broadleaf Weeds Controlled

1381 EC Residential will control or suppress the following broadleaf weeds.

Aster, white heath & white prairie	Bull thistle	Cinquefoil
Bedstraw	Burclover	Clover
Beggarweed, creeping	Burdock, common	Compassplant
Bindweed	Buttercup, creeping	Curly dock
Black medic	Carpetweed	Dandelion
Broadleaf plantain	Chickweed, common	Dayflower
Buckhorn plantain	Chicory	Deadnettle

Dock	Matchweed	Shepherdspurse
Dogfennel	Mouseear chickweed	Spotted spurge
English daisy	Old world diamond flower	Spurge
False dandelion (*spotted catsear & common catsear)	Oxalis (*yellow woodsorrel & creeping woodsorrel)	Thistle
Field bindweed (*morningglory & creeping jenny)	Parsley-piert	Veronica (*corn speedwell)
Field oxeye-daisy (*creeping oxeye)	Pennsylvania smartweed	Virginia buttonweed
Filaree, whitestem & redstem	Pennywort (*dollarweed)	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Florida betony	Pepperweed	Wild carrot
Florida pusley	Pigweed	Wild garlic
Ground ivy	Pineappleweed	Wild geranium
Groundsel	Plantain	Wild lettuce
Hawkweed	Poison ivy	Wild mustard
Healall	Poison oak	Wild onion
Henbit	Prostrate knotweed (*knotweed)	Wild strawberry
Innocence (Blue-eyed Mary)	Puncturevine	Wild violet
Lambsquarters	Purple cudweed	Yarrow
Lawn burweed	Purslane	Yellow rocket
Lespedeza, common	Ragweed	
Mallow, common	Redweed	
	Red sorrel (*sheep sorrel)	

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: 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.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et.al. v. EPA*, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

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.

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 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.

APPENDIX

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

- Rainfast in as little as 3 hours
- Rainfast [Rainproof] in 3 hours
- 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].
- Dead weeds fast!
- Fast results
- Contains Carfentrazone
- From the makers of Trimec® herbicides.
- For information call XXX-XXX-XXXX [contact www.xxx.com]
- DEAD WEEDS FAST!

GIVE A DANDELION AN INCH AS THEY'LL TAKE A YARD.	
WHAT IT'S FOR:	<ul style="list-style-type: none">• Use in home lawns• Rapid and effective control of common and troublesome broadleaf weeds
WHERE TO USE:	<ul style="list-style-type: none">• Kentucky bluegrass, Perennial ryegrass, Fescues, Bermudagrass, Zoysiagrass
AMOUNT TO USE:	<ul style="list-style-type: none">• 1.1 to 1.5 fl.oz. per 1,000 sq.ft. This container will treat up to xx,xxx sq. ft. of lawn.• Refer to complete instructions in Directions for Use section of this booklet.
QUESTIONS:	<ul style="list-style-type: none">• For frequently asked questions, visit our website at www.pbigordon.com

- SPEED-ZONE® is a registered trademark of PBI/Gordon Corporation
- TRIMEC® is a registered trademark of PBI/Gordon Corporation
- ORTHO® Dial'N Spray Hose-End Sprayer is a registered trademark of The Scotts Company LLC.
- GILMOUR® Dial-A-Mix® Lawn and Garden Sprayer is a registered trademark of the Gilmour Manufacturing Company.

DOCUMENT CONTROL INFORMATION

1. Unique Label Identifier: 002217-00864.20250123.amend-proposed-clean

2. Reason for Issue: Comments on MCPP-p and Carfentrazone-ethyl Interim Reg Review Decision

Internal Usage Notes
Associated Container Label: SpeedZone Lawn Weed Killer