

2217-864

11/1/2004

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**1381 EC RESIDENTIAL****ACTIVE INGREDIENTS:**

2,4-D, 2-ethylhexyl ester .....	28.57%
Mecoprop-p acid .....	5.88%
Dicamba acid .....	1.71%
Carfentrazone-ethyl. ....	0.62%

INERT INGREDIENTS: .....	63.22%
<b>TOTAL</b>	<b>100.00%</b>

2,4-dichlorophenoxyacetic acid equivalent 18.95%.

Isomer Specific by AOAC Methods.

Contains the single isomer form of Mecoprop-p.

Contains petroleum distillates, xylene or xylene range aromatic solvent.

[Optional text: See back panel for complete ingredient statement]

**ACCEPTED**

NOV 1 2004

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

2217-864

**KEEP OUT OF REACH OF CHILDREN****CAUTION****First Aid**

<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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.	
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

See side panels for additional Precautionary Statements

**NET CONTENTS: 8 fl. oz., 1.0 pint, 20 fl. oz., 1.0 quart, 2.0 quarts,  
1.0 U.S. Gallon, 30 Gallons, 55 Gallons**

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EPA Reg. No. 2217-864

EPA Est. No. 2217-KS-1

MANUFACTURED BY:



Telephone: 1-800-821-7925



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

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

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

### **Engineering Control Statements:**

*Containers over 1 gallon and less than 5 gallons:* Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

*Containers of 5 gallons or more:* Do not open-pour from this container. A mechanical system (such as probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

## **ENVIRONMENTAL HAZARDS:**

Carfentrazone-ethyl is very toxic to algae and moderately toxic to fish. This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP-p have been associated with mixing, loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP-p pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

## **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 areas until spray 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:**

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
- Superior cool weather performance.
- Injury symptoms on broadleaf weeds can be noticed within hours of the application and plant death can occur within 7 - 14 days.

**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

**Turfgrass tolerance:**

The turfgrass tolerance to 1381 EC Residential may vary and temporary turfgrass yellowing may occur on certain varieties (F1) 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.

**WHEN TO APPLY:**

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 - 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.

**CULTURAL TIPS FOR IMPROVED CONTROL:****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 1,000 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.

### HOW MUCH TO USE:

#### I. 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	1.4	5,700 sq. ft.	11,400 sq. ft.	14,300 sq. ft.	22,800 sq. ft.
Perennial ryegrass	1.4	5,700 sq. ft.	11,400 sq. ft.	14,300 sq. ft.	22,800 sq. ft.
Tall fescue	1.4	5,700 sq. ft.	11,400 sq. ft.	14,300 sq. ft.	22,800 sq. ft.
Red or fine leaf fescues	1.4	5,700 sq. ft.	11,600 sq. ft.	14,300 sq. ft.	23,200 sq. ft.
Colonial bentgrass	1.4	5,700 sq. ft.	11,400 sq. ft.	14,300 sq. ft.	22,800 sq. ft.
Mixtures of cool season species	1.4	5,700 sq. ft.	11,400 sq. ft.	14,300 sq. ft.	22,800 sq. ft.

### HOW TO APPLY:

#### 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.

The maximum application rate to turf is 0.8 pound 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

## SPOT TREATMENTS FOR COOL SEASON TURFGRASS.

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### 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.

## II. 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	1.1	7,300 sq. ft.	14,500 sq. ft.	18,200 sq. ft.	29,100 sq. ft.
Zoysiagrass	1.1	7,300 sq. ft.	14,500 sq. ft.	18,200 sq. ft.	29,100 sq. ft.

### HOW TO APPLY:

#### 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.

#### **SPOT TREATMENTS FOR WARM SEASON TURFGRASS:**

##### **HAND OPERATED SPRAYERS.**

For warm season turfgrass, mix 0.75—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—1.0 fl.oz.	1.5—2.0 tbs.	1,000 sq.ft.
2 gallons	1.5—2.0 fl.oz.	3.0—4.0 tbs.	2,000 sq.ft.
3 gallons	2.25—3.0 fl.oz.	4.5—6.0 tbs.	3,000 sq.ft.

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

The maximum application rate to turf is 0.8 pound 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

**BROADLEAF WEEDS CONTROLLED:**

1381 EC Residential will control or suppress the following broadleaf weeds and will control or suppress other broadleaf weeds that are susceptible to 2,4-D. A partial list is presented below.

- BROADLEAF WEEDS -		
Aster, white heath & white prairie	Field oxeye-daisy (*creeping oxeye)	Prostrate knotweed (*knotweed)
Bedstraw	Filaree, whitestem & redstem	Puncturevine
Beggarweed, creeping	Florida betony	Purple cudweed
Bindweed	Florida pusley	Purslane
Black medic	Ground ivy	Ragweed
Broadleaf plantain	Groundsel	Redweed
Buckhorn plantain	Hawkweed	Red sorrel (*sheep sorrel)
Bull thistle	Heaifall	Shepherdspurse
Burclover	Henbit	Spotted spurge
Burdock, common	Innocence (Blue-eyed Mary)	Spurge
Buttercup, creeping	Lambsquarters	Thistle
Carpetweed	Lawn burweed	Veronica (*corn speedwell)
Chickweed, common	Lespedeza, common	Virginia buttonweed
Chicory	Mallow, common	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Cinquefoil	Matchweed	Wild carrot
Clover	Mouseear chickweed	Wild garlic
Compassplant	Old world diamond flower	Wild geranium
Curly dock	Oxalis (*yellow woodsorrel & creeping woodsorrel)	Wild lettuce
Dandelion	Parsley-piert	Wild mustard
Dayflower	Pennsylvania smartweed	Wild onion
Deadnettle	Pennywort (*dollarweed)	Wild strawberry
Dock	Pepperweed	Wild violet
Dogfennel	Pigweed	Yarrow
English daisy	Pineappleweed	Yellow rocket
False dandelion (*spotted catsear & common catsear)	Plantain	and many more broadleaf weeds
Field bindweed (*morningglory & creeping jenny)	Poison ivy	
	Poison oak	

\*Synonyms

**STORAGE & DISPOSAL**

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

**PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** 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.

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.

**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.



## APPENDIX

**I. 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].
- ◆ [This product] Smokes weeds, fast
- ◆ Dead weeds fast!
- ◆ Fast results
- ◆ Contains the newest chemistry (formula) for weed control
- ◆ Contains Carfentrazone
- ◆ Contains new active ingredient
- ◆ From the makers of Trimec® herbicides.
- ◆ For information call XXX-XXX-XXXX [contact [www.xxx.com](http://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"> <li>• Use in home lawns</li> <li>• Rapid and effective control of common and troublesome broadleaf weeds</li> </ul>
WHERE TO USE:	<ul style="list-style-type: none"> <li>• Kentucky bluegrass</li> <li>• Perennial ryegrass</li> <li>• Fescues</li> <li>• Bermudagrass</li> <li>• Zoysiagrass</li> </ul>
AMOUNT TO USE:	<ul style="list-style-type: none"> <li>• 1.1 to 1.5 fl. oz. per 1,000 sq. ft. This container will treat up to xx,xxx sq. ft. of lawn.</li> <li>• Refer to complete instructions in Directions for Use section of this booklet.</li> </ul>
QUESTIONS:	<ul style="list-style-type: none"> <li>• For frequently asked questions, visit our website at <a href="http://www.pbigordon.com">www.pbigordon.com</a></li> </ul>

- ◆ 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 Monsanto Company
- ◆ GILMOUR® Dial-A-Mix® Lawn and Garden Sprayer is a registered trademark of the Gilmour Manufacturing Company.

**II. Alternative to the previously approved warranty if the small size of the container labels makes it impractical to present the entire warranty.**

- **NOTICE:** Buyer assumes all risks of use, storage or handling of this product not in accordance with directions.