

# 1382 EC RESIDENTIAL

### ACTIVE INGREDIENTS:

2,4-D, 2-ethylhexyl ester .....	10.49
Mecoprop-p, acid.....	2.66
Dicamba, acid .....	0.67
Carfentrazone-ethyl .....	0.54
INERT INGREDIENTS: .....	<u>85.64</u>
<b>TOTAL</b>	<b>100.00</b>

### THIS PRODUCT CONTAINS:

- 0.52 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 6.96%.
  - 0.20 lb. (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 2.66%.
  - 0.05 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.67%.
  - 0.04 lb. Ethyl  $\alpha$ ,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate or 0.54%
- Isomer Specific by AOAC Methods.  
 Contains the single isomer form of Mecoprop-p.  
 TRIMEC® is a registered trademark of PBI/Gordon Corporation.

**ACCEPTED**  
SEP 26 2005

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

2217-855

## 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 any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</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.	
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

See side panels for additional Precautionary Statements

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

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EPA Reg. No. 2217-855

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:** Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. When using this product, wear long-sleeved shirt, long pants, socks, shoes, and chemical resistant gloves.

**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.

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 MCP-p have been associated with mixing, loading and disposal sites. Caution should be exercised when handling 2,4-D and MCP-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, clover and ground ivy (creeping charlie).

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 - 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  
Bahia grass  
Zoysiagrass  
Buffalograss  
St. Augustinegrass  
Centipedegrass

#### Turfgrass tolerance:

The turfgrass tolerance to 1382 EC Residential may vary and temporary turfgrass yellowing may occur on St. Augustinegrass and certain varieties (F1) hybrids of hybrid bermudagrass.

1382 EC Residential may injure certain turfgrass species. To reduce risk of lawn injury, avoid spraying drought stressed lawns or when temperatures are above 90°F.

#### Prohibitions:

- Do not use this product on carpetgrass, dichondra or lawns containing desirable clovers.
- Do not apply this product to St. Augustinegrass during spring green-up which is the transition period between dormancy and active growth.
- 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.

1382 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. Generally, summer broadcast applications to older, drought stressed weeds are less effective.

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 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 1382 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	Treated Area, sq.ft.		
	fl.oz./1,000 sq.ft.	8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Kentucky bluegrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Perennial ryegrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Tall fescue	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Red or fine leaf fescues	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Colonial bentgrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Mixtures of cool season species	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq. ft	16,000 - 21,300 sq.ft

**HOW TO APPLY:**

**FOR ORTHO HOSE-END SPRAYERS FOR COOL SEASON TURFGRASS**

- **For Ortho® Dial'N Spray Hose-End Sprayer:** Measure 2.0 fl.oz. (4 Tbs.) into sprayer jar. Do not add water. Set dial on 1 oz. and spray uniformly on 1,000 sq.ft. of lawn.
- **For Ortho® Plant & Weed Sprayette® Hose-End Sprayer:** Measure 2.0 fl.oz. (4 Tbs.) into sprayer jar. Fill with water to the 5 gallon mark and spray to cover 1,000 sq.ft.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Rate of 80:1:**
  - For 1.5 fl.oz. of product per 1,000 sq.ft.: Measure 10 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 2.0 fl.oz. of product per 1,000 sq.ft.: Measure 13.3 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.
- **For Gilmour® Metering Dial Insecticide & Fertilizer Sprayer:**
  - For 1.5 fl.oz. of product per 1,000 sq.ft.: Set the dial to 1 tablespoon (3 teaspoons) per gallon. Add 1.5 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
  - For 2.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 4 teaspoons per gallon. Add 2 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.

The maximum application rate to turf is 0.5 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.

**II. SPOT TREATMENTS FOR COOL SEASON TURFGRASS.**

**HAND OPERATED OR PUMP-UP SPRAYERS:**

For cool season turfgrass, mix 1.5 - 2.0 fl.oz. of 1382 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 the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

Spray volume, gals. Of water	Fluid ounces (fl.oz.) of product	Tablespoons (tbs.) of product	Area to be treated, sq.ft.
1 gallon	1.5 - 2.0 fl.oz.	3.0 - 4.0 tbs.	1,000 sq.ft.
2 gallons	3.0 - 4.0 fl.oz.	6.0 - 8.0 tbs.	2,000 sq.ft.
3 gallons	4.5 - 6.0 fl.oz.	9.0 - 12.0 tbs.	3,000 sq.ft.

Equal measures: 1.0 fl.oz. = 2 tablespoons.  
1 tablespoon = 3 teaspoons

Use rates of 1382 EC Residential on cool season turfgrass as broadcast treatments are presented in Table 2.

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TABLE 2. RATE RECOMMENDATIONS FOR WARM SEASON TURFGRASS.

Species	Amount of Product Fl.oz./1,000 sq.ft.	Treated Area, sq.ft.		
		8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Common bermudagrass	1.0 - 2.0	4,000 - 8,000 sq.ft	8,000 - 16,000 sq.ft	16,000 - 32,000 sq.ft
Hybrid bermudagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq. ft	21,300 - 43,000 sq.ft
Bahiagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq. ft	21,300 - 43,000 sq.ft
Zoysiagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
Buffalograss	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
St. Augustinegrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
Centipedegrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft

## HOW TO APPLY:

**FOR ORTHO HOSE-END SPRAYERS FOR WARM SEASON TURFGRASS**

- **For Ortho® Dial'N Spray Hose-End Sprayer:** Measure 1½ fl.oz. (3 Tbs.) into sprayer jar. Do not add water. Set dial to 1 Tbs. and spray uniformly on 1,000 sq.ft. of lawn.
- **For Ortho® Plant & Weed Sprayette® Hose-End Sprayer:** Measure 1½ fl.oz. (3 Tbs.) into sprayer jar. Fill with water to the 5 gallon mark and spray uniformly on 1,000 sq.ft. of lawn.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Rate of 80:1:**
  - For 0.75 fl.oz. of product per 1,000 sq.ft.: Measure 5.0 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 1.0 fl.oz. of product per 1,000 sq.ft.: Measure 6.7 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 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 2.0 fl.oz. of product per 1,000 sq.ft.: Measure 13.3 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.

• **For Gilmour® Metering Dial Insecticide & Fertilizer Sprayer:**

- For 1.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 2 teaspoons per gallon. Add 1.0 ounce of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
- For 1.5 fl.oz. of product per 1,000 sq.ft.: Set the dial to 1 tablespoons (3 teaspoons) per gallon. Add 1.5 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
- For 2.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 4 teaspoons per gallon. Add 2 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.

**SPOT TREATMENTS FOR WARM SEASON TURFGRASS:**

**HAND OPERATED OR PUMP-UP SPRAYERS.**

For warm season turfgrass, mix 0.75 - 1.5 fl.oz. of 1382 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 the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

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 - 1.5 fl.oz.	1.5 - 3.0 tbs.	1,000 sq.ft.
2 gallons	1.5 - 3.0 fl.oz.	3.0 - 6.0 tbs.	2,000 sq.ft.
3 gallons	2.25 - 4.5 fl.oz.	4.5 - 9.0 tbs.	3,000 sq.ft.

Equal measures:        1.0 fl.oz. = 2 tablespoons.  
                                  1 tablespoon = 3 teaspoons

The maximum application rate to turf is 0.5 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:**

1382 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 (*creeping charlie)	Ragweed
Broadleaf plantain	Groundsel	Redweed
Buckhorn plantain	Hawkweed	Red sorrel (*sheep sorrel)
Bull thistle	Healall	Shepherdspurse
Burclover	Henbit	Spotted spurge
Burdock, common	Innocence (Blue-eyed Mary)	Spurge
Buttercup, creeping	Lambsquarters	Thistle
Carpetweed	Lawn burweed	<i>Veronica</i> (*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	<i>Oxalis</i> (*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	
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.

**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 or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.



**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

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***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
- ◆ From the makers of Trimec<sup>®</sup> herbicides.
- ◆ For information call XXX-XXX-XXXX [contact [www.xxx-xxxx.com](http://www.xxx-xxxx.com)]