

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

MOV 4 2002

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Charles T. Levy
The Scotts Company - d/b/a The Ortho Group
14111 Scottslawn Road
Marysville, OH 43041

Dear Mr. Levy:

Subject:

Conversion to Resolved Isomer of MCPP

Weed-B-Gon Lawn Weed Killer 3 EPA Registration No. 239-2665

Your Submission Dated October 18, 2002

The Agency is conditionally approving an amendment to the registration for 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 it single isomer form [(+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid, or applicable salt thereof]. The revised labeling and Confidential Statements of Formula (CSFs) submitted in support of the conversion are acceptable with the following provisions:

- 1. This acceptance is based on our understanding that no changes have been made to product other than those specified within the body of your certification statement and cover letter dated June19, 2002. No other revisions are being reviewed or considered with this action.
- You may sell or distribute product containing the racemic form of mecoprop an bearing the previously approved labeling for 18 months from the date of this letter.

A copy of the revised CSF (Basic Formation dated October 18, 2002) has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment

If you have any questions concerning this letter please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

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

**Enclosure** 

# ORTHO® WEED B GON®LAWN WEED KILLER<sub>3</sub> ABN: Ortho® Weed-B-Gon® Weed Killer For Lawns

#### CONCENTRATE

[Icon] Use with [Ortho®] Dial-N-Spray®

- Kills Weeds, Not Lawns
- Kills Dandelion, Clover & [Many] Other Broadleaf [Lawn] Weeds[\*] [see back]
- Now Faster Acting
- Rain-Proof in 2-Hours

(See Appendix for additional claims)

# ACCEPTED with COMMENTS In EPA Letter Dated:

10V 4 2003

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

**Active Ingredients** 

Mecoprop-p, dimethylamine salt	* 5.30%
2,4-D, dimethylamine salt**	3.05%
Dicamba, dimethylamine salt***	1.30%
Other Ingredients	90.35%

<sup>\*(+)-(</sup>R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent to 4.38%

# **KEEP OUT OF REACH OF CHILDREN**

**CAUTION** See back panel booklet for additional precautionary statements.

NET 16 FL OZ (1 PT) 473 mL 32 FL OZ (1 QT) 946 mL 1.58 L (.42 GAL) 53 FL OZ ½ GAL / 1.89 L 1 GAL / 3.78 L

<sup>\*\*2,4-</sup>Dichlorophenoxyacetic acid equivalent to 2.53%

<sup>\*\*\*3,6-</sup>dichloro-o-anisic acid equivalent to 1.08% Isomer Specific by AOAC Method 6.DO1-5.

OPEN
Resealable Label
for Directions & Precautions
PRESS TO RESEAL

Kills weeds in your lawn - won't harm lawn grasses. Weed-B-Gon singles out weeds, enters through leaves and moves inside the weed to the roots.

PRODUCT	FACTS
Treats up to	6,400 sq ft (approx. size of 3 tennis courts) [pt]
Treats up to	o 12,800 sq ft (approx. size of 6 tennis courts) [qt]
Treats up to	21,200 sq ft (approx. size of 10 tennis courts) [.42 gal]
Treats up to	25,600 sq ft (approx. size of 12 tennis courts) [half gal]
Treats up to	51,200 sq ft (approx. size of 24 tennis courts) [gal]
KILLS	Dandelion, Clover, Chickweed [illustration]
WEEDS	plus over 200 additional [many other] broadleaf [lawn] weeds*
WHERE	ON LAWNS [illustration]
TO USE	without harming lawn grasses
AMOUNT	Bent, Buffalo, Centipede & St. Augustine (EXCEPT Floratam) (Do not
use on Flora	atam):
TO USE	1 fl oz (2 Tbs) / gal of water / 400 sq ft
	(OR Optional Coverage Rate) ½ fl oz (1 TBS) / gal of water / 200 sq ft
	Bahia, Bermuda, Fescues, Kentucky Blue, Perennial Rye & Zoysia:
	2 fl oz (4 Tbs) / gal of water / 400 sq ft
	(OR Optional Coverage Rate) 1 fl oz (2 TBS) / gal of water / 200 sq ft
8	Questions, Comments or Medical Information
<u> </u>	call 1-800-225-2883 http://www.ortho.com

# **DIRECTIONS FOR USE**

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

# MIXING INSTRUCTIONS

FOR SENSITIVE LAWNS: Bentgrass, Buffalograss, Centipedegrass & St.

Augustinegrass (EXCEPT Floratam\*) (Do not use on Floratam\*)

Amount to Use: 1 fl oz (2 Tbs) per gallon of water for each 400 sq ft

• [icon] When using Ortho® Dial 'n Spray®: Set dial to 1 oz. Add 2½ fl oz (5 Tbs) to sprayer jar. DO NOT ADD WATER. Spray evenly over 1,000 sq ft until jar is empty.

\* Floratam is a variety of St. Augustinegrass widely grown in Florida.

**FOR HARDY LAWNS**: Bahiagrass, Bermudagrass, Fescues, Kentucky Bluegrass, Perennial Ryegrass & Zoysiagrass

Amount to Use: 2 fl oz (4 Tbs) per gallon of water for each 400 sq ft

• [icon] When using Ortho® Dial 'n Spray®: Set dial to 2 oz. Add 5 fl oz (10 Tbs) to sprayer jar. DO NOT ADD WATER. Spray evenly over 1,000 sq ft until jar is empty.

# (OPTIONAL MIXING INSTRUCTIONS – FOR 1 GAL/200 SQ FT COVERAGE RATE)

# MIXING INSTRUCTIONS

FOR SENSITIVE LAWNS: Bentgrass, Buffalograss, Centipedegrass & St.

Augustinegrass (EXCEPT Floratam\*) (Do not use on Floratam)

Amount to Use: 1/2 fl oz (1 Tbs) per gallon of water for each 200 sq ft

- [icon] When using Ortho® Dial 'n Spray®: Set dial to 1 Tbs. Add 2½ fl oz (5 Tbs) to sprayer jar. DO NOT ADD WATER. Spray evenly over 1,000 sq ft until jar is empty.
- \* Floratam is a variety of St. Augustinegrass widely grown in Florida.

FOR HARDY LAWNS: Bahiagrass, Bermudagrass, Fescues, Kentucky Bluegrass, Perennial Ryegrass & Zoysiagrass

Amount to Use: 1 fl oz (2 Tbs) per gallon of water for each 200 sq ft

[icon] When using Ortho® Dial 'n Spray®: Set dial to 1 oz. Add 5 fl oz
(10 Tbs) to sprayer jar. DO NOT ADD WATER. Spray evenly over 1,000
sq ft until jar is empty.

# [Refill Directions]

To refill only an empty 1.33 GAL. [EH-1398 Herbicide Container] Amount to Use: Add 7 oz. of this product to the empty 1.33 gallon container. Slowly fill with 160 fl. oz. of clean tap water.

To refill only an empty 1 GAL. [EH-1398 Herbicide Container]
Amount to Use: Add 5 oz. of this product to the empty 1 gallon container. Slowly fill with 120 fl. oz. of clean tap water.

Specially formulated for residential use.

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

FOR BEST RESULTS	
MEASURE [icon / walking man]	<ul> <li>To treat entire lawn (broadcast application): Use a tank or [Ortho® Dial-N-Spray®] hose-end sprayer. Measure lawn. Calculate square feet by multiplying length times width. Spray evenly over measured area.</li> <li>To spot treat individual weeds in lawns: Use a tank sprayer.</li> </ul>
MOW [optional row] [illustration]	Do not mow for 1 to 2 days before or after application.
WATER [illustration]	<ul> <li>If soil is dry, water 1 to 2 days before application.</li> <li>Rain or watering 2 hours after application will not wash away effectiveness.</li> </ul>
WHEN TO APPLY [illustration]	<ul> <li>Spray when weeds are small and actively growing.</li> <li>[Spray when] temperature is below 90<sup>0</sup>F.</li> <li>[Spray when] air is calm to avoid spray drift onto landscape plants as contact with foliage may injure flowers, shrubs, trees and other desirable plants.</li> <li>Reapplication can be made in 2 to 3 weeks if necessary.</li> <li>Newly seeded lawn can be sprayed after first mowing.</li> <li>Bare spots can be planted with grass seed 1 week after application.</li> </ul>

#### **IMPORTANT**

If an ornamental shrub or tree is in the lawn, keep spray off foliage and exposed roots. St. Augustinegrass, Centipedegrass or Bermudagrass lawns may have delayed green-up if this product is used when lawns are emerging from dormancy or when temperature drops below 45° F within 72 hours of application. Do not spray Carpetgrass, Dichondra or desirable clovers. Do not use on or around fruits, vegetables or flowers. Do not use on Floratam, a variety of St. Augustinegrass. The maximum number of broadcast applications per treatment site is 2 per year. Do not exceed specified dosages for any area.

### **HOW IT WORKS**

Because broadleaf weeds and grasses grow differently, Weed-B-Gon® kills broadleaf weeds without harming lawns. Weed-B-Gon singles out weeds, enters through leaves and moves inside the weed to the roots.

# \*WEEDS CONTROLLED [icon]

White heath Aster, Bushy Aster, Heath Aster, Purple Aster, White prairie Aster, Catchweed Bedstraw, Marsh Bedstraw, Northern Bedstraw, Hairy Beggarticks, Creeping Beggarweed, Threeflower Beggarweed, Florida Bellflower, Florida Betony, Field Bindweed, Hairy Bittercress, Whitehead Broom, Burclover, Common Burdock, Great Burdock, Lawn Burweed, Smallflower Buttercup, Hairy Buttercup, Bushy Buttonweed, Virginia Burtonweed, Black Medic, Carolina Geranium, Carpetweed, Wild Carrot, Cat's-ear, Smooth Chaff-flower, Chicory, Common Chickweed, Mouseeared Chickweed, Sticky Chickweed, Chicory, Common Cinquefoil, Oldfield Cinquefoil, Alyceclover, Crimson Clover, Hop Clover, White Clover, Wandering Cudweed, Purple Cudweed, Natrotyleaf Cudweed, Shiny Cudweed, Cupids Shaving Brush, English Daisy, Oxeye Daisy, Common Dandelion, Falsc Dandelion, Catsear Dandelion, Dayflowers, Purple Deadnettle, Dichondra, Dogfennel, Doveweed, Broadleaf Dock, Curly Dock, Dollarweed, Doveweed, Heartleaf Drymary, Eclipta, Facelis, Oakleaf Fleabane, Rough Fleabane, Wild Garlic, Carolina Geranium, Clammy Ground Cherry, Smooth Ground Cherry, Ground Ivy, Groundsel, Ye'low Hawkweed, Healall, Henbit, Sprawling Horseweed, Innocense (blue eyed Mary), Knawel, Prostrate Knotweed, Tutted

Knotweed, Kochia, Lambsquarters, Lespedeza, Field Madder, Alkali Mallow, Venice Mallow, Common Mallow, Little Mallow, Dwarf Mallow, Bristly Mallow, Marcela (vellow joyweed), Marestail, Horseweed, Mat Lippia, Milkweed, Moneywort, Mugwort, Common Mullein, Moth Mullein, Mexican Morningglory, Bigroot Morningglory, Ivyleaf Morningglory, Tall Morningglory, Red Morningglory, Ball Mustard, Black Mustard, Blue Mustard, Indian Mustard, Tumble Mustard, Wild Mustard, Tansy Mustard, White Mustard, Wormseed Mustard, Bitter Nightshade, Eastern Black Nightshade, Silverleaf Nightshade, Cutleaf Nightshade, Hairy Nightshade, Wild Onion, Old World Diamond Flower, Birdseye Pearlwort, Florida Pellatory, Pennywort, Asiatic Pennywort, Peppargrass, Virginia Pepparweed, Prostrate Pigweed, Redroot Pigweed, Smooth Pigweed, Tumble Pigweed, Pineappleweed, Broadleaf Plantain, Buckhorn Plantain, Blackseeded Plantain, Poison Ivy, Poison Oak, Cutleaf Evening Primrose, Showy Evening Primrose, Purple cudweed, Purslane, Brazil Pusley, Largeflower Pusley, Florida Pusley, Giant Ragweed, Common Ragweed, Western Ragweed, Lanceleaf Ragweed, Redweed, Yellow Rocket, Field Sandbur, Longspine Sandbur, Mexican or Texas Sandbur, Southern Sandbur, Sibara, Red Sorrel, Sheep Sorrel, Shepardspurse, Pennsylvania Smartweed, Swamp Smartweed, Ladysthumb Smartweed, Pale Smartweed, Bitter Sneezeweed, Bilobed Speedwell, Common Speedwell, Corn Speedwell, Ivyleav Speedwell, Persian Speedwell, Purslane Speedwell, Slender Speedwell, Snow Speedwell, Thymeleaf Speedwell, Winter Speedwell, Common Spiderwort, Spotted Spurge, Prostrate Spurge, Corn Spurry, Swinecress, Bull Thistle, Canada Thistle, Flodman Thistle, Cotton Thistle, Distaff Thistle, Drummonds Thistle, Elk Thistle, Gray Thistle, Italian Thistle, Leafy Thistle, Meadow Thistle, Milk Thistle, Platte Thistle, Plumeless Thistle, Russian Thistle, Scotch Thistle, Slenderflower Thistle, Tall Thistle, Wavyleaf Thistle, Yellowspine Thistle, Stiff Verbena, Camplipoda Veronica, Common Vetch, Hairy Vetch, Winter Vetch, Wooley Vetch, Violet, Field Violet, Wild Carrot, Wild Lettuce, Woodsorrel, Creeping Woodsorrel, Yellow Woodsorrel, Florida Yellow Woodsorrel, Wooleyleaf Bursage, Common Yarrow, Western Yarrow, Yellow Yarrow

# **STORAGE AND DISPOSAL** [icon]

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

**DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

# PRECAUTIONARY STATEMENTS [icon]

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear face shield or goggles when mixing, loading or applying this product. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber 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.

Do not allow people (other than applicator) or pets on treatment area during application. People and pets may enter treated area after spray has dried.

#### FIRST AID:

If in eyes: 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 swallowed: 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 do so by a poison centrol center or doctor. Do not give anything by mouth to an unconscious person. If on skin or

**clothing:** 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.

Note to Physician: Emergency information call 1-800-225-2883.

**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, 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 washwaters. Do not apply when weather conditions favor drift from target area. 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 have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP 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.

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

#### The ORTHO Guarantee

If for any reason you are not satisfied with this product, mail us proof of purchase to obtain a full refund of your purchase price.

? Questions, Comments or Medical Information ? call 1-800-225-2883 http://www.ortho.com

Manufactured for
The ORTHO Group
P.O. Box 190
Marysville, OH 43040
EPA Reg. No 239-2665
EPA Est. 239-IA-3<sup>1</sup>, 58996-MO-1<sup>A</sup>
Superscript is first letter of lot number
Made in USA

#### **APPENDIX**

- I. These claims may be presented on the retail container label or on the labeling accompanying the product.
- Kills Dandelion, Chickweed, Knotweed, Plantain, Henbit, Spurge and many othe padleaf lawn weeds.
- Kills weeds not lawn grasses.
- Kills weeds not lawns

- For Lawns Containing Kentucky Bluegrass, Fescues, Bentgrass, Perennial Ryegrass, Bermudagrass, Bahiagrass, Centipedegrass, Zoysiagrass, St. Augustinegrass, and Buffalograss.
- Can be applied with hose-end or pump-up (tank) sprayers.
- Kills broadleaf weeds roots and all.
- For northern and southern grasses.
- Won't harm lawn grasses shown on container label.
- Won't harm lawn grasses
- Kills weeds in your lawn.
- Formulated for use on northern and sensitive southern lawns.
- Kills all major broadleaf lawn weeds: List of the weed species.
- Helps provide a beautiful lawn.
- For cool and warm season lawn grasses
- (Brand Name) kills all major broadleaf lawn weeds including dandelion, chickweed, knotweed, in lawns without harming lawn grasses.
- For use on grass lawns especially Kentucky Bluegrass, Fescues, Perennial Ryegrass, Bentgrass, Bermudagrass, Bahiagrass, Centipedegrass, Zoysiagrass, St. Augustinegrass, and Buffalograss.
- ◆ A Trimec? Turf Herbicide Formulation.
- Controls Dandelion, Chickweed, Knotweed, Plantain, Henbit, Spurge and many other broadleaf lawn weeds including those shown on the side panel.
- "One Quart Covers Up To 12,800 Square Feet" or "One Pint Covers Up To 6,400 Square Feet".
- Can be applied with hose-end and tank sprayers.
- Makes up to \_\_\_\_\_ gallons of spray (Volume dependent upon package size)
- Now for northern and southern lawns.
- Kills over 2 times/twice as many weeds.
- Water based.
- Low odor formula.
- Low odor.
- Kills all major broadleaf weeds including Dandelion, Clover, Oxalis, Chickweed, Knotweed Plantain, Henbit, Spurge and others.
- Concentrate
- Now faster results
- Now fast acting
- For control that doesn't/won't wash away/off.
- Effective even with rain in 2 hours.
- Does not harm lawn when used properly
- [Weed-B-Gon] kills [lawn] weeds, not [the] lawn(s) (grass).
- ◆ ORTHO® WEED-B-GON® for the lawn.
- For a beautiful Weed-Free Lawn
- Kills weeds down to the root.
- Rainproof (rain-fast) in two [2] hours.
- Kills broadleaf weeds in your lawn.
- Won't harm most lawn grasses.
- Ideal for spot treating individual lawn weeds.
- Rain proof in hours.
- Kills Dandelion, Clover and Other Broadleaf Weeds—Won't Harm Lawns.
- ♦ Kills Weeds—Not Lawn Grasses
- Guaranteed [Results]
- Guaranteed not to harm one single blade of grass.
- Won't harm lawns, guaranteed.
- · Guaranteed not to harm the lawn.
- Guaranteed to kill weeds, not grass [the lawn].
- Starts working on contact
- Fast results
- Fast-acting formula
- Weeds begin wilting overnight
- Weeds begin to wilt and die overnight

# bre

- Rainproof in 2 hours so it [the weed killing power] won't wash away.
- Rainproof in 2 hours so you won't have to respray.
- Kills to the root so weeds don't [won't] ever come [grow] back.
- Kills more weeds
- Complete root [weed] kill
- Kills all major [common] broadleaf weeds
- Complete kill
- Kills even tough lawn weeds
- Kills over 200 weeds [lawn weeds]
- Weed-B-Gon singles out weeds leaves [lawn] grass(es) alone [unharmed].
- ♠ For use on lawns
- How it works Weed-B-Gon's exclusive [special] [LawnGuard™] [LawnProtect™] [smart] [proven] formula specifically targets [seeks out] weeds, killing them, while leaving the grass [lawn] unharmed guaranteed.
- How it works Weed-B-Gon [LawnGuard™] [LawnProtect™] contains [is] a special [unique] [exclusive] blend of proven ingredients that seek out [target] and destroy [kill] weeds, while leaving the [your] grass [lawn] unharmed guaranteed.
- Specially formulated to kill weeds, not the lawn.
- Targets weeds, leaves grass [the lawn] unharmed.
- Made [scientifically formulated] [special formula] for use on lawns.
- LawnGuard™ [LawnProtect™]
- With LawnGuard™[LawnProtect™]
- Contains LawnGuard™ [LawnProtect™] [formula].
- Contains Ortho('s) [Weed-B-Gon's] exclusive [special] [scientific] LawnGuard™ [LawnProtect™] formula.
- Contains Trimec® Formula
- Exclusive Trimec® Formula
- Exclusive [special] formula.
- ◆ Exclusive [special] LawnGuard<sup>TM</sup> [LawnProtect<sup>TM</sup>] formula.
- Exclusive blend of ingredients
- ♦ Patented formula
- Now with LawnGuard™ [LawnProtect™]
- With LawnGuard™ [LawnProtect™] Weed Control
- LawnGuard™ Formula
- ♦ New [LawnGuard™] Formula!
- ♦ New
- ♦ Now
- Helps keep lawn[s] healthy and weed-free.
- ♦ Helps keep[s] the lawn look [ing] beautiful.
- Easy to use
- Ideal for use in between fertilizer applications to spot treat weeds
- Trial Size [2 oz. Trial Size]
- Free [Sample]

# **LABEL SUBSET A** (To be used for private label) **BRANDNAME** [logo]

WEEDS CONTROLLED: Annual Aster, Bedstraw, Beggarweed, Bindweed Bittercress, Black Medic, Brassbuttons, Broadleaf Plantain, Buckhorn, Bull Thistle, Burdock, Bur Clover, Burweed, Buttercup, Buttonweed, Carolina Geranium Carpetweed, Catsear, Chicory, Chickweed, Cinquefoil, Clover, Cocklebur, Cormon Chickweed, Cudweed, Curly Dock, Dandelion, Dock, English Daisy False Dandelion, Florida Pusley, Galinsoga, Geranium, Ground Ivy, Haic Fleabane, Hawkweed, Healall, Henbit, Knawel, Knotweed, Lambsquarters, Lespedeza, Mallow, Matchweed, Morningglory, Mouseear Chickweed, Musk Thistle, Mustard, Narrowleaf Plantain, Oxalis, Pennsylvania Smartweed, Pennywort (Creeping Charlie).



Peppergrass, Pigweed, Piney Woods Bedstraw, Plantain, Poison Ivy, Poison Oak, Prickly Lettuce, Prostrate Spurge, Puncture Vine, Purslane, Ragweed, Red Clover, Red Henbit, Scarlet Pimpernel, Sheep Sorrel, Shepherdspurse, Sowthistle, Speedwell, Spotted Spurge, Spurge, Tansy Mustard, Thistle, Velvetleaf, White Clover, Wild Carrot, Wild Garlic, Wild Lettuce, Wild Onion, Wild Strawberry, Yarrow & other broadleaf weeds

#### DIRECTIONS FOR USE

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

#### MIXING INSTRUCTIONS

Bentgrass, Buffalograss, Centipedegrass & St. Augustinegrass (EXCEPT Floratam). Do not use on Floratam or other improved varieties of St. Augustinegrass. Do not apply to St. Augustinegrass or centipedegrass emerging from winter dormancy.

Amount to Use: 1 fl oz (2 Tbs) per gallon of water for each 400 sq ft

When using Ortho® Dial 'n Spray®: Set dial to 1 oz. Add 2-1/2 fl oz (5 Tbs) to sprayer jar. DO NOT add water. Spray evenly over 1,000 sq ft until jar is empty.

Bahiagrass, Bermudagrass, Fescues, Kentucky Bluegrass, Perennial Ryegrass & Zoysiagrass Amount to Use: 2 fl oz (4 Tbs) per gallon of water for each 400 sq ft
When using Ortho® Dial 'n Spray®: Set dial to 2 oz. Add
5 fl oz (10 Tbs) to sprayer jar. DO NOT add water. Spray
evenly over 1,000 sq ft until jar is empty.
1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

#### HOW TO USE

To treat entire lawn (broadcast application): Use a tank or hose-end sprayer. Measure lawn. Calculate square feet by multiplying length times width. Spray evenly over measured area.

To spot treat individual weeds in lawns: Use a tank sprayer.

WHEN TO MOW

Do not mow for 1 to 2 days after application.

WHEN TO WATER

If soil is dry, water 1 to 2 days before application.

WHEN TO USE

- -Spray when weeds are small and actively growing
- -Spray when temperature is below 900F
- -Spray when air is calm to avoid spray drift onto landscape plants as contact with foliage may injure flowers, shrubs, trees and other desirable plants
- -Reapplication can be made in 2 to 3 weeks if necessary.
- -Newly seeded lawn can be sprayed after first mowing.
- -Bare spots can be planted with grass seed 1 week after application.

#### **IMPORTANT**

If an ornamental shrub or tree is in the lawn, keep spray off foliage and exposed roots.

St. Augustinegrass, Centipedegrass or Bermudagrass lawns may have delayed green-up if this product is used when lawns are emerging from dormancy or when temperature drops below 45° F within 72 hours of application. Do not spray Carpetgrass, Dichondra or desirable clovers. Do not use on or around fruits, vegetables or flowers. The maximum number of broadcast applications per treatment site is 2 per year. Do not exceed specified dosages for any area.