| PM- 21  | 100-773 No   | OTIFICA  |  |                                     | 0.0000                               | 12   |
|---|--|--|--|-------------------------------------|--------------------------------------|--|
|   | reverse before completing form.<br>United State<br>Environmental Protect                           | -  |  | Registratio                         | on <sup>of</sup>                     | pproval expires 2-28<br>P Identifier Number  |
|   | Washington, DC   | 20460  |  | Other                               |                                      | 236450   |
| ·   |  |  | sticide - Section  |                                     |                                      |  |
| 1. Company/Product Numbe  | . <u></u>  |  | 2. EPA Product Manager<br>Us. Welch                                  | (21)                                | 3. Propos                            | ed Classification  |
| 4. Company/Product (Name)   | % HG   | F  | ~~***<br>21  | ·                                   |                                      |  |
| Cibz - Ge<br>P.O. Box<br>Greensbon  | plicant (Include ZIP Code)<br>Protection<br>Vigy Corp.<br>18,900<br>NC 27419<br>s is a new address | (<br>t   | 5. Expedited Review<br>b)(i), my product is si<br>o:<br>EPA Reg. No. | nilar or identica                   | I in compo                           |  |
|   | 5 8 116W 8001855   |  | Product Name   |                                     |                                      |  |
|   | · · · · · · · · · · · · · · · · · · ·  | Section  | <u>on - li</u>   |                                     |                                      | <u></u>  |
| Amendment - Explain   | n below.<br>conse to Agency letter dated   |  | Final printed lat<br>Agency letter d<br>"Me Too" Appl                | els in responser<br>ated<br>cation. | <b>DTIFICA</b><br>NPR 24             | and the second   |
| Notification - Explain  | below.   |  | Other - Explain  | below.                              | nn 24                                | 1770   |
| 1. Material This Product Wi   | ll Be Packaged in:   | Secu   | on - III   |                                     |                                      |  |
| Child-Resistant Packaging   | Unit Packaging   | Water So   | oluble Packaging   | 2. Type of Co                       | ontainer                             |  |
| Yes   | Yes  |  | es.  |                                     | Metal<br>Plastic                     |  |
| No  |  |  | io   |                                     | Glass<br>Paper                       |  |
| * Certification must<br>be submitted  | If "Yes" No. per<br>Unit Packaging wgt. contain  |  | No.per<br>wgt container  |                                     | Other (Spec                          | ify)   |
| 3. Location of Net Contents   | Information 4. Size(s  | ) Retail Containe  | er 5.  | ocation of Label                    |                                      | lying product  |
| 6. Manner in Which Label is   | Affixed to Product   | ithograph<br>aper glued<br>tenciled  | Other  |                                     |                                      |  |
|   |  |  | on - IV  |                                     |                                      |  |
|   |  |  |  |                                     | -                                    | ••••••••••••••••••••••••••••••••••••••   |
| 1. Contact Point (Complete  | e items directly below for identifi  |  | ual to be contacted, if n  | ecessary, to proc                   | ess this ap                          | blication.)  |
| Name  | 1  | ication of individ   |  | Т                                   |                                      |  |
| Sregory R.  | Watson, Ph.D.<br>Certi<br>ements I have made on this form<br>ny knowingly false or misleading      | ication of individ<br>Title<br>S. Re<br>ification<br>and ell attachm   | egulatory Ma   | curate and comp                     | elephone N<br>7/0) 6<br>65<br>blete. | Dication.)<br>5. "Include Area Code<br>3-2-297,95<br>Dute Application<br>Received<br>{Stamped} |
| Name<br>Gregory R.<br>I certify that the state<br>I acknowledge that a                                  | Watson, Ph.D.<br>Certi<br>ements I have made on this form<br>ny knowingly false or misleading      | ication of individ<br>Title<br>S. Re<br>ification<br>and all attachm<br>statement may<br>3. Title                    | egulatory Us<br>ants thereto are true, a<br>be punishable by fine o  | curate and comp<br>imprisonment of  | elephone N<br>7/0) 6<br>plete.       | of the tude Area Code<br>Dute Application<br>Received  |
| Sregory R. A<br>I certify that the statu<br>I acknowledge that a<br>both under applicable               | Watson, Ph.D.<br>Certi<br>ements I have made on this form<br>ny knowingly false or misleading      | ication of individ<br>Title<br>S. Re<br>ification<br>and all attachm<br>statement may<br>3. Title<br>S. R            | egulatory Ma   | curate and comp<br>imprisonment of  | elephone N<br>7/0) 6<br>plete.       | of the tude Area Code<br>Dute Application<br>Received  |
| Sregory R.<br>I certify that the state<br>I acknowledge that a<br>both under applicable<br>2. Signature | Watson, Ph.D.<br>Certi<br>ements I have made on this form<br>ny knowingly false or misleading      | icetion of individ<br>Title<br>S. Re<br>ification<br>and all attachm<br>statement may<br>3. Title<br>S. R<br>5. Date | egulatory Us<br>ants thereto are true, a<br>be punishable by fine o  | curate and comp<br>imprisonment of  | elephone N<br>7/0) 6<br>plete.       | of the tude Area Code<br>Dute Application<br>Received  |

PPZ 1.55% HG

FUNGICIDE

Water Based

Broad spectrum and systemic disease control on roses, flowers, home lawns, trees, and shrubs.

Controls brown patch, powdery mildew, black spot, rust, blights, scab, and more.

Contains Banner® - Used by Professional landscapers nationwide.

Prevents and stops diseases on roses, lawns, flowers, and trees.

Concentrate - Just Mix with Water and Spray

For use in pressure type or hose-end sprayers.

Enough to treat a 1,333 sq. ft. lawn.

Absorbed into the plant - can't be washed off by rain or sprinklers.

Not affected by rain.

Systemic disease control.

Systemic Action - Can't be washed off by rain.

Prevents a large variety of diseases on home lawns and ornamentals.

Prevents lawn diseases before they happen.

Broad spectrum disease control on home lawns and ornamentals.

Works up to 4 weeks for certain diseases.

KEEP OUT OF REACH OF CHILDREN.

### WARNING

See additional precautionary statements on back panel.

\* \* \* \* \* \*

EPA Reg. No. 100-773

One Pint Net Contents

3915

Prevents and stops . . .

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Black Spot

Brown Patch

Dollar Spot

Powdery Mildew

Rust

Leaf Spot

. . . and more!

Active Ingredient: Propiconazole: 1-[2-(2,4-dichloro-phenyl)-4-propy1-1,3-dioxolan-2-yl]methyl]-1<u>H</u>-1,2,4-Inert Ingredients: 98.45% Total: 100.00%

Ciba Crop Protection Ciba-Geigy Corporation Greensboro, NC 27419

EPA Reg. No. 100-773 EPA Est.

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**IMPORTANT:** Read the entire **Directions for Use** and **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

### Conditions of Sale and Warranty

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

#### DIRECTIONS FOR USE

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

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#### STOP. READ ALL INSTRUCTIONS INSIDE BEFORE USE.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR INJURY TO DESIRABLE PLANTS.

STOP. DO NOT ALLOW PEOPLE OR PETS TO CONTACT TREATED AREAS UNTIL SPRAY HAS DRIED.

# USE TIPS

- 1. This product is highly effective when it is used to prevent diseases or applied at the first sign of disease. Consider treating early in the season. This product will not eliminate disease already present.
- 2. When used as directed, this product is safe to plants and controls the diseases listed. Plants not listed may be injured by this product and diseases not listed may not be controlled. Before using this product on plants or diseases not listed, test on a small area first.
- 3. Do not apply this product to African violets, begonias, Boston fern, or geraniums.
- 4. If you need more information about lawn and ornamental diseases, contact your local County Extension Service.

### HOW TO MIX

Shake well before using. Apply only with a pump-up pressure sprayer, concentrate plus water-style, or a dial-style hoseend sprayer. Use of hose-end sprayers which have only an on/off switch or those which are continuously filled with water during the application is not recommended.

| NOTE : | 1/2 fl. oz. = 1 Tablespoon | 4 4<br>8 4 6 6 4 6<br>4 |
|--------|----------------------------|-------------------------|
|        | 1 fl. oz. = 2 Tablespoons  | * *<br>* * * * *<br>*   |

Food utensils, such as measuring cups and spoons, must not be used for food purposes after use in measuring pesticides.

#### PUMP-UP SPRAYER

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- 1. Fill with required amount of water.
- 2. Add the amount of concentrate specified in the charts that follow.

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3. Shake well before application.

### CONCENTRATE PLUS WATER-STYLE SPRAYER

- 1. From the following chart, determine the amount of concentrate required.
- 2. Pour concentrate into sprayer jar to the required "fl. oz." level.
- 3. Then add the required amount of water to the "gals." level.
- 4. Replace sprayer top on jar and shake well before spraying.

### DIAL-STYLE HOSE-END SPRAYER

- 1. Set sprayer on the "fl. oz./gallon" level specified in the following chart.
- 2. Use only enough product for the area to be treated.
- 3. Close sprayer, attach to hose and apply product to lawn.

(For example: To treat a 1,000 sq. ft. lawn for powdery mildew, pour 12 fl. ozs. into sprayer jar. Set sprayer dial at 3 fl. ozs. per gallon.)

# HOW TO APPLY

ROSES AND FLOWERS

# General Directions

1. Apply product to the point just when it begins to run off of the leaves.

2. Allow spray to completely dry before watering.

| <u>Plant</u> | Disease             | How Much<br>to Apply                                  | Comments   |  |
|--------------|---------------------|---|--|--|
| Roses        | Powdery<br>Mildew   | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water | Thorough<br>coverage<br>needed for<br>best results.  |  |
|              |                     |   | Begin<br>application<br>at bud break.  |  |
|              |                     |   | Treat every<br>10 days.  |  |
|              | Black Spot,<br>Rust | 2 Tablespoons<br>(1 fl. oz.)<br>per gal. of<br>water. | Treat every<br>10 days.  |  |
|              |                     |   | <u>Note</u> : May<br>not provide<br>100% control<br>of black spot<br>under severe<br>conditions. |  |
| Calendula    | Powdery<br>Mildew   | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water | Apply every<br>30 days.  |  |
| · ·          |                     |   | 4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4      |  |
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|              |                     |   | 6 6 6<br>6 6 6<br>6 6 5 6<br>6 6 6<br>6 6  |  |

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| Plant          | Disease           | How Much<br>to Apply                                  | Comments                |
|----------------|-------------------|---|-------------------------|
| Chrysanthemums | Ray Blight        | 2 Tablespoons<br>(1 fl. oz.)<br>per gal. of<br>water  | Apply every 7<br>days.  |
| Delphinium     | Powdery<br>Mildew | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water | Apply every<br>14 days. |
| Snapdragons    | Rust              | 2 Tablespoons<br>(1 fl. oz.)<br>per gal. of<br>water  | Apply every<br>10 days. |
| Sweet William  | Leafspot          | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water | Apply every<br>14 days. |

# LAWNS

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- 1. Apply after mowing or allow sprayed area to completely dry before mowing.
- 2. Measure the length and width of area to be treated before application. Length x width = square feet. For example, an area 25 ft. long and 20 ft. wide is 500 sq. ft.

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How Much Disease . to Apply Comments 5 fl. ozs. in If needed, Brown Patch 1 gal. of repeat water per 250 treatment sg. ft. of every 10 lawn days. First application should be in May or June before disease is present. Dollar Spot, 3 fl. ozs. in Apply every Powdery 1 gal. of 14 days. Mildew, Rust, water per 250 Anthracnose sq. ft. of lawn Red Thread, 5 fl. ozs. in If needed, Dichondra Rust 1 gal. of repeat every water per 250 21 days when on Dichondra conditions Lawns sq. ft. of are favorable lawn for disease · to occur. 3 fl. ozs. in Stripe Smut Apply in Fall 1 gal. of after grass water per 250 is dormant or sq. ft. of in early lawn Spring before grass starts to grow.

Established Lawns

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|--|---------------|---|----------|
| <u>New Seedings</u>  |               |   |          |
| How Much<br>to Apply   |               | Comments  |          |
| 5 fl. ozs. in<br>2 gals. of<br>water per 500<br>sq. ft. of<br>lawn |               | Apply at the<br>2 to 3-leaf<br>stage of<br>growth for<br>faster root<br>development<br>and top<br>growth. |          |
| TREES AND SHR<br>General Direc<br>1. Sprav ju                      | tions         | ict runs off leaves   | × = *    |
|  |               | y before watering p   |          |
| Plant  | Disease       | How Much<br>to Apply  | Comments |
| Crab Apple   | Scab,<br>Rust | 1/2<br>Tablespoon<br>(1/4 fl. oz.)<br>per gal. of<br>water  | begin to |

|              | •                 |   | day<br>intervals.       | _                         |
|--------------|-------------------|---|-------------------------|---------------------------|
|              | Powdery<br>Mildew | 1 1/2<br>Tablespoons<br>(3/4 fl. oz.)<br>per gal. of<br>water | Apply every<br>14 days. | • • • • •<br>• • •<br>• • |
| Crepe Myrtle | Powdery<br>Mildew | 3 Tablespoons<br>(1 1/2 fl.<br>oz.) per gal.<br>of water)     | Apply every<br>21 days. |                           |
|              |                   |   | ¢ ¢ ¢<br>¢ ¢ ¢          |                           |

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| Plant                      | Disease     | How Much<br>to Apply                                      | Comments   |
|----------------------------|-------------|---|--|
| Dogwood                    | Anthracnose | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water     | Apply every<br>14-28 days.   |
| Douglas Fir,<br>Shasta Fir | Needle Rust | 3 Tablespoons<br>(1 1/2. fl.<br>oz.) per gal.<br>of water | For Douglas<br>Fir, apply<br>every 21<br>days. For<br>Shasta Fir,<br>apply in May<br>- June before<br>disease<br>occurs. |
| Jeffrey Pine               | Tip Blight  | 3 Tablespoons<br>(1 1/2 fl.<br>oz.) per gal.<br>of water  | Make the<br>first<br>application<br>in mid-late<br>winter (Nov<br>Jan).<br>Apply every 2<br>months up to<br>3 times.     |
| Oak, Red Tip<br>Photinia   | Leaf Spot   | 3 Tablespoons<br>(1 1/2 fl.<br>oz.) per gal.<br>of water  | Apply every<br>14 days.  |

## NON-BEARING FRUIT AND NUT TREES

## General Directions

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- Non-bearing fruit and nut trees are those trees that will not produce fruit for at least one year after application of this product. 1.
- Apply product to the point just when it begins to fun off of the leaves. 2. • • • • • • • • • •

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| Plant                    | Disease   | Hew Much<br>to Apply                                       | Comments   |
|--------------------------|---|--|--|
| Apple                    | Scab  | 1/2<br>Tablespoon<br>(1/4 fl. oz.)<br>per gal. of<br>water | Start<br>applications<br>when leaves<br>start growing<br>in the Spring<br>and spray<br>every 14<br>days.             |
|                          | Rust  | 1/2<br>Tablespoon<br>(1/4 fl. oz.)<br>per gal. of<br>water | Make 3<br>applications<br>beginning<br>when buds<br>just begin to<br>break open.<br>Apply at 7-<br>day<br>intervals. |
|                          | Powdery<br>Mildew                                     | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water      | Start<br>applications<br>in early<br>Spring and<br>spray every<br>14 days.   |
| Cherry                   | Powdery<br>Mildew,<br>Leaf Spot,<br>Blossom<br>Blight | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water      | Start<br>applications<br>in early<br>Spring and<br>spray every<br>21 days.   |
| Citrus                   | Greasy Spot   | 4 Tablespoons<br>(2 fl. oz.)<br>per gal. of<br>water       | Apply June-<br>August every<br>21 days.  |
| Peach, Plum<br>Nectarine |   | 1 Tablespoon<br>(1/2 fl. oz.)<br>per gal. of<br>water      | Apply when<br>blooms first<br>appear and<br>again after<br>tree is in<br>full bloom                                  |
|                          |   |  |  |
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| <u>Plant</u> | Disease  | How Much<br>to Apply                                 | Comments   |
|--------------|--|--|--|
| Pecan        | Scab,<br>Powdery<br>Mildew,<br>Downy Spot,<br>Zonate<br>Leafspot,<br>Funal Leaf<br>Scorch,<br>Brown Spot | 2 Tablespoons<br>(1 fl. oz.)<br>per gal. of<br>water | Start<br>applications<br>at bud break<br>and make 3<br>applications<br>at 14-day<br>intervals. |
| Walnut       | Anthracnose  | 2 Tablespoons<br>(1 fl. oz.)<br>per gal. of<br>water | Apply every<br>14 days.  |

#### Storage and Disposal

## Storage

Store in a cool, dry place, away from heat or open flame.

## Disposal

Do not reuse container. Securely wrap container in several layers of newspaper and discard in trash.

For minor spills, follow all precautions on this label and clean up immediately. In the event of an emergency, call 1-800-888-8372, day or night.

## Precautionary Statements

### Hazards to Humans and Domestic Animals

### WARNING

Causes substantial, but temporary eye injury. Do not get in eyes. Wear goggles or safety glasses when mixing this product. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Do not allow people or pets to contact treated areas until sprays are dry.

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First Aid

If in eyes: Hold eyelids open and flush eyes with a steady, gentle stream of water. Get medical attention.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Move victim to fresh air.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**Note to Physician:** If ingested, induce emesis or lavage stomach. Treat symptomatically.

# Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters. <u>Questions or Comments</u>? Call \_\_\_\_\_.

Banner® trademark of Ciba-Geigy Corporation U.S. Patent No. 4,079,062

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Ciba Crop Protection Turf and Ornamental Products Ciba-Geigy Corporation Greensboro, NC 27419

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CGA 1L157 A115

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Apr. 18, 1995 -May 5, 1995 -May 5, 1995 -EPA Approved deleted mold from front panel and specified treatment every 10 days for brown patch per EPA's Apr. 18 approval November 8, 1995 -Removed rose

This booklet manufactured using post-consumer, recycled paper.

PPZ155HG [Z-SLN-LBLS-W] 11/9/95 - bb

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prohibition, moved ingredient statement to back of label, combined several DFUs for same use/pest, changed "Statement of

Practical Treatment"

to "First Aid," added "Questions or Comments? Call

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