



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number  
Notification

Application for Pesticide - Section I

1. Company/Product Number 100-773	2. EPA Product Manager Ms. Scanlon	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PPZ 1.55% HG	PM# Team 21	
5. Name and Address of Applicant (Include ZIP Code) Novartis Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

JUL 25 1997

Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Notification of name change from Ciba Crop Protection, Ciba-Geigy to Novartis Crop Protection, Inc. in accordance with PR Notice 95-2. Change in trademarks formerly attributed to Sandoz but now owned by BASF AG.

"This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" No. per Unit Packaging wgt. container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted		If "Yes" No. per Unit Packaging wgt. container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Lee Hubbard, Ph.D.		Title Senior Regulatory Manager		Telephone No. (Include Area Code) (910)632-7034	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature <i>Lee Hubbard</i>		3. Title Senior Regulatory Manager			
4. Typed Name Lee Hubbard, Ph.D.		5. Date June 23, 1997			

2 of 5

PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

INSTRUCTIONS: This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

- 1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

Submission of Labeling - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

Submission of Data - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

SPECIFIC INSTRUCTIONS: Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

NOTIFICATION
JUL 25 1997

Block A - Check the appropriate action for which you are submitting this form.

SECTION I - This section must be completed, as applicable, for all registration actions.

- 1. Company/Product Number - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. EPA Product Manager - If known, fill in the name and PM number of the EPA Product Manager.
3. Proposed Classification - Specify the proposed classification of this product.
4. Product Name - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. Name and Address of Applicant - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. Expedited Review - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

SECTION II - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

- 1. Subject of submission - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

SECTION III - (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

- 1. Type of Packaging - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. Type of Retail Container - Indicate type of container in which product will be marketed.
3. Location of Net Contents - Indicate the location of the net contents information for your product.
4. Size(s) of Retail Container - Specify the net contents of all retail containers for your product.
5. Location of Use Directions - Indicate the location of the use directions for your product.
6. Manner in which label is affixed to product - Indicated the method product label is attached to retail container.

SECTION IV (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only

# 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

### Prevents and stops...

- Black Spot • Brown Patch
- Dollar Spot • Powdery Mildew
- Rust • Leaf Spot

... and more!

KEEP OUT OF REACH OF CHILDREN.

### WARNING

See additional precautionary statements on back panel.

EPA Reg. No. 100-773

## One Pint Net Contents

#### Active Ingredient:

Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl] methyl]-1H-1,2,4-triazole . . . 1.55%

Inert Ingredients: 98.45%

Total: 100.00%

#### DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**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 Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis 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. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis 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 Novartis.

#### DIRECTIONS FOR USE

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

**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 hose-end 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.



# PPZ 1.55% HG

4085

NOTE: 1/2 fl. oz. = 1 Tablespoon  
1 fl. oz. = 2 Tablespoons

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

### PUMP-UP SPRAYER

1. Fill with required amount of water.
2. Add the amount of concentrate specified in the charts that follow.
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. oz. into sprayer jar. Set sprayer dial at 3 fl. oz. 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.

Plant	Disease	How Much to Apply	Comments
Roses	Powdery Mildew	1 Tablespoon (1/2 fl. oz.) per gal. of water	Thorough coverage needed for best results. Begin application at bud break. Treat every 10 days.
	Black Spot, Rust	2 Tablespoons (1 fl. oz.) per gal. of water	Treat every 10 days. Note: May not provide 100% control of black spot under severe conditions.
Calendula	Powdery Mildew	1 Tablespoon (1/2 fl. oz.) per gal. of water	Apply every 30 days.
Chrysanthemums	Ray Blight	2 Tablespoons (1 fl. oz.) per gal. of water	Apply every 7 days.
Delphinium	Powdery Mildew	1 Tablespoon (1/2 fl. oz.) per gal. of water	Apply every 14 days.
Snapdragons	Rust	2 Tablespoons (1 fl. oz.) per gal. of water	Apply every 10 days.
Sweet William	Leafspot	1 Tablespoon (1/2 fl. oz.) per gal. of water	Apply every 14 days.

#### LAWNS

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.

#### Established Lawns

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

#### New Seedlings

How Much to Apply	Comments
5 fl. oz. in 2 gals. of water per 500 sq. ft. of lawn	Apply at the 2 to 3-leaf stage of growth for faster root development and top growth.

#### TREES AND SHRUBS

##### General Directions

1. Spray just until product runs off leaves.
2. Allow the spray to dry before watering plants.

Plant	Disease	How Much to Apply	Comments
Crab Apple	Scab, Rust	1/2 Tablespoon (1/4 fl. oz.) per gal. of water	Apply when buds just begin to break open. For scab, apply every 14 days. For rust, make 3 applications, beginning when buds just begin to break open. Apply at 7-day intervals.
	Powdery Mildew	1 1/2 Tablespoons (3/4 fl. oz.) per gal. of water	Apply every 14 days.
Crepe Myrtle	Powdery Mildew	3 Tablespoons (1 1/2 fl. oz.) per gal. of water	Apply every 21 days.
Dogwood	Anthracnose	1 Tablespoon (1/2 fl. oz.) per gal. of water	Apply every 14-28 days.
Douglas Fir, Shasta Fir	Needle Rust	3 Tablespoons (1 1/2 fl. oz.) per gal. of water	For Douglas Fir, apply every 21 days. For Shasta Fir, apply in May-June before disease occurs.
Jeffrey Pine	Tip Blight	3 Tablespoons (1 1/2 fl. oz.) per gal. of water	Make the first application in mid-late winter (Nov.-Jan.) Apply every 2 months up to 3 times.
Oak, Red Tip Photinia	Leaf Spot	3 Tablespoons (1 1/2 fl. oz.) per gal. of water	Apply every 14 days.

PPZ 1.55% HG

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**NON-BEARING FRUIT AND NUT TREES**

**General Directions**

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

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

**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. Questions or Comments? Call \_\_\_\_\_

Banner® trademark of Novartis  
U. S. Patent No. 4,079,062

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Turf and Ornamental Products  
Greensboro, NC 27419  
NCP 1L157B 0697



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