


100-952

6-16-2000

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division, HT5050 1215 Tenth St., S.W. Washington, D.C. 20460	EPA Reg. Number: 100-952	Date of Issuance: JUN 16 2000
	<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration	Term of Issuance: Conditional	
	Under FIFRA, as amended:	Name of Pesticide Product: PPZ 1.55% Multi-Purpose Fungicide	
Name and Address of Registrant (include ZIP Code): Novartis Crop Protection, Inc. P.O. Box 18300 Greensboro, NC 27419-8300			
<p><b>Note:</b> Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>The name of information furnished by the registrant, the above named pesticide is hereby registered, reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>			
<p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>Make the following labeling change before you release the product for shipment:           <ol style="list-style-type: none"> <li>Add the phrase "EPA Registration No. 100-952".</li> <li>Delete the use on sod under "Additional Uses" in the section "When To Apply" or revise to be appropriate for homeowner use.</li> <li>Delete "and [&amp;] blossom blight" under "Cherries (non-bearing)". This change was not made on the Dial'n Spray label.</li> </ol> </li> </ol>			
Signature of Approving Official: <i>Mary J. Waller</i>		Date: 6/16/00	


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3. Submit one copy each of the final printed labels before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosures

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The differences between the LNS and this concentrate highlighted in gray  
Appropriate revisions are marked.

*Ortho Dial'n Spray®*  
Hose-End or Tank Sprayer Label

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUN 16 2000

PPZ 1.55% Multi-Purpose Fungicide

NEW!

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

**CONCENTRATE**

Just mix with water and [&] spray  
For use in tank or hose-end sprayer

mix?

100-1952

[icon] Water Based

Multi-Purpose  
Multi-Purpose Disease Control

- Eliminates most common lawn and plant diseases
- Prevents and [&] stops major diseases on roses, lawns, trees, shrubs and [&] flowers
- Stops major diseases on roses, lawns, trees, shrubs and [&] flowers
- Prevents a large variety of diseases
- Stops [a large] variety of [common] garden/lawn/rose/flower/tree/shrub/ornamental [plant] diseases
- Stops and [&] prevents diseases in your yard and [&] garden
- Stops and [&] prevents diseases on lawns, roses, flowers, ornamental(s) [plants], trees and [&] shrubs
- Prevents [lawn] diseases before they happen
- Broad spectrum [and [&] systemic] disease control
- Promotes beautiful healthy lawns by controlling major diseases

- [Use] on roses, flowers, lawns, trees and [&] shrubs
- [Use] on lawns and [&] ornamental plants

- Systemic Action
- Systemic disease control
- Absorbs into the plant
- Can't be washed off by rain or sprinklers [watering] after spray has dried

RainProof Once Spray is Dry  
 RainProof When Spray is Dry  
 Won't wash off by rain or sprinklers [watering] after spray has dried, even if it rains or  
 with sprinkler use

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Lasting protection and [&] control  
Long lasting disease control  
Works up to 4-weeks [28-days, 1-month] for certain diseases  
Up to 4-week [28-day, 1-month] protection for certain diseases

Controls brown patch, powdery mildew, rust, blights, scab and [&] more  
Contains Banner® -~~Used by professional landscapers nationwide~~

Treats [Covers] up to 1,600 sq ft [pint]; up to 3,200 sq ft [quart]

Active Ingredient  
Propiconazole ..... 1.55%  
Other Ingredients ..... 98.45%

**KEEP OUT OF REACH OF CHILDREN**

~~WARNING-See back panel booklet for additional precautionary statements~~  
See back panel booklet for additional precautionary statements.

NET 16 FL OZ (1 PT) 473 mL  
32 FL OZ (1 QT) 946 mL

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

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

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**CONDITIONS OF SALE AND WARRANTY**


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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.

Or

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

**OPEN**

**Resealable Label  
for Directions & Precautions  
PRESS TO RESEAL**

*PPZ 1.55% Multi-Purpose Fungicide* stops and [ & ] prevents diseases without harming lawns or delicate blooms and buds. [Continues protecting up to 28 days for certain diseases.]

Plus, *PPZ 1.55% Multi-Purpose Fungicide* provides lasting protection [up to 28 days (for certain diseases)] because [since] lawn and plant foliage absorb it, and it won't wash off with rain or watering, after spray has dried.

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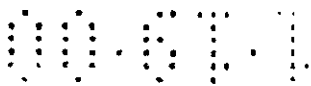
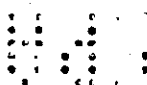
**PPZ 1.55% Multi-Purpose Fungicide** promotes beautiful, healthy and vigorous lawns, roses, flowers, shrubs and shade trees by controlling their major [common] diseases.

**PPZ 1.55% Multi-Purpose Fungicide** stops and prevents lawn and plant diseases. Lawn and plant foliage absorb **PPZ 1.55% Multi-Purpose Fungicide** resulting in protection that lasts up to 4 weeks (for certain diseases). ]

Thank you for choosing [company/brand name]. You'll like the results and so will your lawn and garden.

<b>PRODUCT FACTS</b>	
Treats [Covers] up to 1,600 sq ft [pint]	
Treats [Covers] up to 3,200 sq ft [quart]	
<b>STOPS &amp; PREVENTS DISEASES</b>	Dollar spot, rust, brown patch, powdery mildew, leaf spot and [&] more!
[optional illustration(s)]	
[option to list other diseases here that are listed elsewhere on this label]	
<b>WHERE TO USE</b>	[On] lawns, roses, flowers, trees, shrubs and [&] other ornamental plants
[optional illustration(s)]	
[option to list other sites here that are listed elsewhere on this label]	
<b>AMOUNT TO USE</b>	4 tsp per gallon of water
	For lawns, see inside label for "AREA TO COVER."
[DNS illustration] Easy to apply with an Ortho Dial 'n Spray®, hose-end or tank sprayer.	
[phone icon]	Questions, Comments or Medical Information ? call [telephone number] e-mail [e-mail address]

Specially formulated for residential use.



Do not use on fruits or vegetables.

Do not use on plants that are intended to be eaten or on fruiting plants that are expected to bear edible fruit within 12 months of the last application

*alternative text*

Do not use on plants that are intended to be eaten or on fruiting plants that are expected to bear edible fruit within 12 months of the last application.

**DIRECTIONS FOR USE**

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

Shake well before using.

**ESTABLISHED LAWNS** *[optional illustration]*

**WHEN TO MOW**

Apply after mowing or allow sprayed lawn to completely dry before mowing.

**HOW TO APPLY**

*[walking man icon]*

- Measure lawn. Calculate square feet by multiplying length times width.
- Spray evenly over measured area. Treat entire lawn.

**MIXING INSTRUCTIONS for Established Lawns**

**Amount to Use:** 4 tsp per gallon of water for each 33 1/3 sq ft

*[DNS illustration]* When using Ortho Dial 'n Spray®:

1. Set dial to 4 tsp.

*[pint]*

2. Add 16 fl oz (entire contents) to sprayer jar. **DO NOT** add water.

3. Spray evenly over 800 sq ft.

*[quart]*

2. Add 32 fl oz (entire contents) to sprayer jar. **DO NOT** add water.

3. Spray evenly over 1,600 sq ft.

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

Alternative "MIXING INSTRUCTIONS" to be used with the optional column "AREA TO COVER."

**MIXING INSTRUCTIONS for Established Lawns**

**Amount to Use:** 4 tsp per gallon of water

*[DNS illustration]* When using Ortho Dial 'n Spray®:

1. Set dial to 4 tsp.

*[pint]*

2. Add 16 fl oz (entire contents) to sprayer jar. **DO NOT** add water.

3. See table for "AREA TO COVER."

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[quart]

2. Add 32 fl oz (entire contents) to sprayer jar. DO NOT add water.

3. See table for "AREA TO COVER."

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

**WHEN TO APPLY**

This product is highly effective when it is used at the first sign of disease. Unless otherwise specified, treat at the first sign of disease. Reapply as directed in "COMMENTS" until lawn shows signs of recovery. Resume applications if disease reoccurs.

<b>[ESTABLISHED] LAWN DISEASES CONTROLLED</b>	<b>AREA TO COVER</b> (Entire contents treats...) <i>[optional column]</i>	<b>COMMENTS</b>
Anthracnose	[pint] 1,600 sq ft [quart] 3,200 sq ft	Apply every 14 days.
Brown patch	[pint] 800 sq ft [quart] 1,600 sq ft	Start applications in May or June before disease occurs. Apply every 14 days. For southern lawns, start applications at first sign of disease in spring or fall.
Dichondra rust on dichondra lawns	[pint] 800 sq ft [quart] 1,600 sq ft	Apply every 21 days.
Dollar spot	[pint] 1,600 sq ft [quart] 3,200 sq ft	Apply every 28 days.
Fusarium patch	[pint] 800 sq ft [quart] 1,600 sq ft	Apply every 28 days from fall to early spring.
Gray leaf spot	[pint] 1,600 sq ft [quart] 3,200 sq ft	Apply every 14 days in the summer.
Leaf spot (melting out)	[pint] 1,600 sq ft [quart] 3,200 sq ft	Apply every 14 days.
Pink patch	[pint] 800 sq ft [quart] 1,600 sq ft	Apply every 21 days
Powdery mildew	[pint] 1,600 sq ft [quart] 3,200 sq ft	Apply every 21-28 days.
Red thread	[pint] 800 sq ft [quart] 1,600 sq ft	Apply every 21 days.





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Rust	[ <i>pint</i> ] 1,600 sq ft [ <i>quart</i> ] 3,200 sq ft	Apply every 21-28 days.
Snow mold	[ <i>pint</i> ] 800 sq ft [ <i>quart</i> ] 1,600 sq ft	Apply twice in the fall prior to snow cover waiting 14 days between each application.
Stripe smut	[ <i>pint</i> ] 1,600 sq ft [ <i>quart</i> ] 3,200 sq ft	Apply in fall after grass is dormant or in early spring before grass starts to grow.
Summer patch	[ <i>pint</i> ] 800 sq ft [ <i>quart</i> ] 1,600 sq ft	Start applications in late May or early June and apply every 14 days up to 6 times.
Take-all patch	[ <i>pint</i> ] 800 sq ft [ <i>quart</i> ] 1,600 sq ft	Apply twice in the fall (September and October) and twice in the spring (April and May).  Southern lawns also need to be treated twice in the summer (June-August).

**ORNAMENTAL PLANTS [ROSES, FLOWERS, SHRUBS AND(&) SHADE TREES]**  
[*optional illustration*]

When used as directed, this product is safe to plants and controls the diseases listed. This product may injure African violets, begonias, Boston fern, geraniums or other unlisted plants, and it may not control unlisted diseases. ~~Before using this product on plants or diseases not listed, test on a small area first [try on a small number of plants first.]~~

**MIXING INSTRUCTIONS for Ornamental Plants [Roses, Flowers, Shrubs and(&) Shade Trees]**

**Amount to Use:** 4 tsp per gallon of water  
[*DNS illustration*] When using Ortho Dial 'n Spray®:

1. Set dial to 4 tsp.
2. Pour product into sprayer to fill jar one-quarter to one-half full. **DO NOT** add water.
3. After spraying, unused product can be poured back into its original container.

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

**HOW TO APPLY**

- Apply product to the point just when it begins to run off the leaves.  
[*alternative text*]
- Spray thoroughly to cover all plant surfaces (upper and lower leaf surfaces, flowers, stems and branches) including new growth.
- Allow spray to completely dry before watering.

**WHEN TO APPLY**

This product is highly effective when it is used at the first sign of disease. Unless otherwise specified (in SPECIAL COMMENTS), treat at the first sign of disease and

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reapply every 21 days until plant shows signs of recovery. Resume applications if disease reoccurs.

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PLANTS	DISEASES CONTROLLED	SPECIAL COMMENTS
Amelanchier	Powdery mildew	
Apple (non-bearing)	Scab	Start applications when leaves start growing in the spring.
Apple (non-bearing)	Rust	Start applications when buds just begin to break open. Make 3 applications.
Apple (non-bearing)	Powdery mildew	Start applications in early spring.
Ash	Powdery mildew	
Azalea	Monilinia flower blight	Apply when there is 5% bloom and again at 70% bloom.
Calendula	Powdery mildew	
Carnation	Rust	
Cherry (non-bearing)	Powdery mildew, leaf spot and [&] blossom blight	Start applications in early spring.
Crabapple	Scab	Start applications when buds just begin to break open.
<u>NOTE: Do not use fruit from treated crabapple trees for food purposes.</u>		
Crabapple	Rust	Start applications when buds just begin to break open. Make 3 applications.
Crabapple	Powdery mildew	
Crapemyrtle	Powdery mildew	
Delphinium	Powdery mildew	
Dogwood	Anthracnose	
Gomphrena	Alternaria leaf spot	
Iris	Rust	
Juniper	Phomopsis blight	
Lilac	Powdery mildew	
Marigold	Alternaria leaf spot	
Monarda	Powdery mildew	
Nectarine (non-bearing)	Blossom blight	Apply when blooms first appear and again after tree is in full bloom.
Phlox	Powdery mildew	
Red tip photinia	Leaf spot	
Peach (non-bearing)	Blossom blight	Apply when blooms first appear and again after tree is in full bloom.
Pine	Tip blight	Start applications in mid-late winter (November-January) and apply every 2 months up to 3 times.

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Plum (non-bearing)	Blossom blight	Apply when blooms first appear and again after tree is in full bloom.
Pyracantha	Blight	
Rhododendron	Flower blight	Apply when there is 5% bloom and again at 70% bloom.
Roses	Powdery mildew	[Thorough coverage is needed for best results.] Start applications when buds just begin to break open.
Roses	Black spot and [&] rust	[optional text] For severe black spot on roses alternate every 7 to 10 days between this product and RosePride® Funginex® Rose & Shrub Disease Control. [optional text] For severe black spot on roses use RosePride® Funginex® Rose & Shrub Disease Control.
Snapdragons	Rust	
Sweet William	Leaf spot	
Zinnia	Powdery mildew	

**ADDITIONAL USE** [optional illustration]

In addition to its fungicide uses, *PPZ 1.55% Multi-Purpose Fungicide* can be used as a growth stimulator for faster establishment of newly planted *cool season* lawns.

*[alternative text]*

In addition to preventing and [&] stopping all major diseases on roses, lawns, trees, shrubs and [&] flowers, *PPZ 1.55% Multi-Purpose Fungicide* promotes faster establishment of newly planted *cool season* lawns.

**MIXING INSTRUCTIONS** for Newly Planted Cool Season Lawns

**Amount to Use:** 4 tsp per gallon of water for each 66 2/3 sq ft

[DNS illustration] When using **Ortho Dial 'n Spray®**:

1. Set dial to 4 tsp:

[pint]

2. Add 16 fl oz (entire contents) to sprayer jar. **DO NOT** add water.

3. Spray evenly over 1,600 sq ft.

[quart]

2. Add 32 fl oz (entire contents) to sprayer jar. **DO NOT** add water.

3. Spray evenly over 3,200 sq ft.

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs

**WHEN TO APPLY**

Lawns: Seedlings: Apply at the 2 to 3-leaf stage of growth for faster root development and top growth.

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Sod: Apply 2 to 6 weeks before cutting for increased sod knitting of roots with underlying soil and faster establishment after laying.

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**IMPORTANT** *[optional illustration]*

This product will not eliminate disease already present.

*[alternative text]*

This product does not repair [No fungicide repairs] plants or lawns damaged by diseases. **PPZ 1.55% Multi-Purpose Fungicide** stops [the] disease(s) and prevents reinfestation of treated areas. As treated plants and lawns grow they recover from disease.

If you need more information about lawn and ornamental diseases, contact your local County Extension Service.

*[reentry icon]* People and pets may enter treated area after spray has dried.

**STORAGE AND DISPOSAL** *[optional illustration]*

**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.

**PRECAUTIONARY STATEMENTS** *[optional illustration]***HAZARDS TO HUMANS & 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.

**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. Emergency Information call 1-800-225-2883.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water.

This booklet manufactured using post-consumer, recycled paper.

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Banner® Trademark of Novartis

Ortho Dial in Spray® Trademark of The Scotts Company

U.S. Patent No. 4,079,962

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Novartis Crop Protection, Inc.  
Turf & Ornamental Products  
Greensboro, NC 27419

Jan. 12, 2000

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