


PM 21 2217-426

Note: Fee from 10/96

Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0060 Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 192030
	Application for Pesticide:		

Section I

1. Company/Product Number 2217-426	2. EPA Product Manager Susan Lewis	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Formec 80 Turf and Ornamental Fungicide	PM# (PM 21)	
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation PO Box 4090 1217 West 12th Street Kansas City, MO 64101 <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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION:

Revision of the wetlands warning statement within the Environmental Hazards section according to definition stated in Pesticide Regulation (PR) Notice 93-3, "Labeling Statement Prohibiting Application to Water", March 9, 1993. This is to certify that this notification meets every requirement of PR-Notice 88-6.
Three copies of the revised labeling are enclosed.

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 88-6

DATE: 7/12/93

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	<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," Unit Package wgt.	No. per-container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of 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 James A. Ambruster, Ph.D.	Title Mgr. Regulatory Services	Telephone No. (Include Area Code) (816) 421-4070

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 	3. Title Mgr. Regulatory Services
4. Typed Name James A. Ambruster, Ph.D.	5. Date May 20, 1993

2076

FORMEC 80

TURF & ORNAMENTAL FUNGICIDE

CONTAINS FORE®

ACTIVE INGREDIENTS:

A co-ordination product of zinc ion and manganese ethylene bisdithiocarbamate.... 80%

In which the ingredients are

Manganese++.....	16%
Zinc++.....	2%
Ethylene bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄)=.....	62%

INERT INGREDIENTS.....	20%	
		TOTAL 100%

US PATENTS 3,379,610 and 2,974,156.
FORE® is a registered trademark of ROHM & HAAS COMPANY.

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-6
DATE 7/12/93

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

-HAZARDS TO HUMANS & DOMESTIC ANIMALS -

CAUTION: May cause irritation of nose, throat, eyes, and skin. Do not breathe dust or spray mist. In case of skin contact, wash with water; for eyes; wash copiously with water and get medical attention. Wear protective clothing as described on this label. Wash thoroughly after each use and launder clothing before reuse.

-ENVIRONMENTAL HAZARDS-

This product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. For terrestrial uses,, do not apply directly to water, 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.

-PHYSICAL OR CHEMICAL HAZARDS-

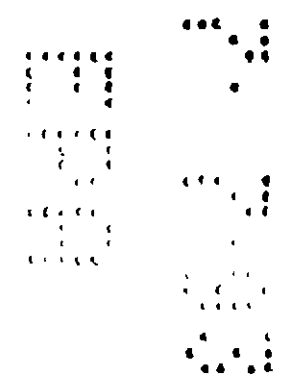
Keep away from fire and sparks.

NET WEIGHT POUNDS

645/ AP052093

EPA REG NO 2217-426
EPA EST NO.2217-KS-1

Mfd. by PBI/GOLF DON CORPORATION
KANSAS CITY, MISSOURI 64101



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DIRECTIONS FOR USE

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

RE-ENTRY INTERVAL AND PROTECTIVE CLOTHING

Do not enter or allow entry into treated area until 24 hours after application unless wearing the personal protective equipment listed on this label.

All agricultural workers/handlers (i.e. mixers, loaders, and applicators) applying EBDCs must wear coveralls over long-sleeved shirt and long pants, shoes, socks, and chemical resistant gloves. During mixing and loading, a chemical-resistant apron and goggles or a face shield must also be worn. For agricultural workers, where completely enclosed cabs with positive pressure filtration or an enclosed cockpit for aerial application are used, a long-sleeved shirt and long pants may be worn in place of the protective clothing described above. Chemical-resistant gloves must be available in the cab or cockpit and worn upon exiting. The gloves must be kept in an enclosed container in the cab or cockpit to prevent contamination of the inside of the cab or cockpit. During aerial application, human flaggers are prohibited unless in totally enclosed vehicles.

STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children and pets. Do not store with or near feed or foodstuffs. Storage area must be dry and cool. Do not allow product to become wet or overheated in storage as such may bring about chemical changes which will impair the effectiveness of the product and may also generate flammable vapors. Keep bag tightly closed by rolling down top of bag to product level and taping or clipping.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

FORMEC 80 provides proven control of most common turf grass diseases and is also effective in controlling major fungal diseases of ornamentals. Diseases of turf grass and ornamentals can attack suddenly and unexpectedly causing severe damage and may even result in total loss of large areas of valuable turf grass and ornamental plants. The use of a regular protective spray program will minimize the risk of disease damage and can generally be accomplished with lower rates and less frequent fungicide applications. Once diseases have become established, higher rates of fungicide and more frequent applications are required to bring them under control. Follow a regular protective spray program for maximum performance of FORMEC 80.

Where diseases are expected to occur each year, a preventive spray program should be used. Diseases begin to develop when weather conditions become ideal for growth of the organism. This usually occurs in the spring and again in early fall. Therefore, make 3 to 5 applications of FORMEC 80 at 7 to 14 day intervals beginning in April or May and again in the early fall beginning when cool nights return in September. Repeat applications more frequently during periods of high humidity.

If preventive sprays are not used and disease develops, spray 3 or more times with FORMEC 80 at 3 to 5 day intervals. Keep turf mowed to 1 1/2 to 2 inches in height and do not water. In areas where Fusarium snow mold occurs, apply FORMEC 80 during the winter at monthly intervals, and especially after snow has melted. Pay particular attention to spraying in areas where snow melts slowly - such as in shaded areas under trees and near buildings. Follow local turf disease control recommendations for details on timing of applications.

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Diseases on ornamentals generally occur under the same conditions favorable to turf diseases. Preventive sprays used during warm humid periods will reduce the risk of diseases. If preventive sprays are not used and disease does develop, three or more applications of FORMEC 80 should be made at 3 to 5 day intervals to arrest the disease and protect new growth.

INSTRUCTIONS

If this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season.

TURF

- NOT INTENDED FOR USE BY HOMEOWNERS -

FORMEC 80 can be used for the control of these diseases of cool and warm season turfgrasses.

Diseases: Fusarium blight, Red thread, Copper spot, Slime molds, Helminthosporium melting-out, Rhizoctonia brown patch, Rust, Pythium blight, Algae, Dollar spot, and Fusarium snow mold.

Spray Volumes: Use sufficient water to provide thorough coverage. Generally, 3 to 5 gallons of spray mixture per 1000 square feet or 130 to 220 gallons of spray mixture per acre will provide adequate coverage.

Application Rates: For large scale preventive program, apply 4 ounces of Formec 80 per 1000 square feet or 10.9 pounds of Formec 80 per acre at 7 to 14 day intervals. When conditions are especially favorable for disease development, apply a maximum use rate of 6 ounces of Formec 80 per 1000 square feet or 16.3 pounds of Formec per acre with a 7 day interval.

For small areas with knapsack sprayers, backpack sprayers, cart sprayers, pressure sprayers, or other manually operated sprayers, refer to the spray preparation chart shown below. As a preventive treatment, mix 15 tablespoons (1 cup) with 3 gallons of water and apply this mixture to 1000 square feet of turf. As a control treatment, mix 22 1/2 tablespoons (1 1/2 cups) of product with 3 gallons of water and apply this mixture to 1000 square feet.

A. Preventive Treatment			
Amount of FORMEC 80		Water Volume	Area to Treat
Tablespoons	Cups	Gallons	Square Feet
5	1/3	1	333
15	1	3	1,000

B. Control Treatment			
Amount of FORMEC 80		Water Volume	Area to Treat
Tablespoons	Cups	Gallons	Square Feet
7 1/2	1/2	1	333
22 1/2	1 1/2	3	1,000

Use standard measuring spoons and cup. All volumes are level measure.

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TURF (Continued)

Application Schedules and Intervals: Begin when disease threatens. Make 3 to 5 applications of FORMEC 80 at 7 to 14 day intervals beginning in April or May and again in the early fall beginning when cool nights return in September. Repeat applications more frequently during periods of high humidity.

If preventive sprays are not used and disease develops, spray 3 or more times with FORMEC 80 at 3 to 5 day intervals. Keep turf mowed to 1 1/2 to 2 inches in height and do not water.

In areas where Fusarium snow mold occurs, apply FORMEC 80 during the winter at monthly intervals, and especially after snow has melted. Pay particular attention to spraying in areas where snow melts slowly - such as in shaded areas under trees and near buildings. Follow local turf disease control recommendations for details on timing of applications.

Use Restriction: Do not graze treated areas. Do not feed clippings to livestock.

FLOWERS AND ORNAMENTALS

- NOT INTENDED FOR USE BY HOMEOWNERS -

FORMEC 80 may be applied to the following ornamentals to control the diseases listed below:

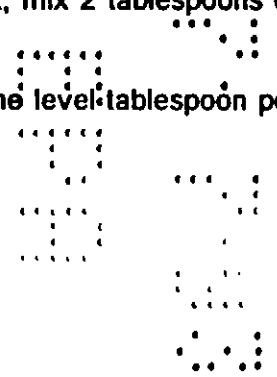
Ornamentals	Diseases Controlled
Carnation	Leaf spot
Dahlia	Botrytis blight
Lilly	Botrytis blight
Holly	Purple spot
Iris	Leaf spot
Rose	Black spot
Chrysanthemum	Botrytis petal spot
Gladiolus	Curvularia and Botrytis blossom blight

Spray Volumes: Apply as a full coverage spray.

Application Rates: For large scale operations with conventional equipment, apply 1 1/2 pounds of FORMEC 80 per 100 gallons of spray at 7 to 10 day intervals throughout the season for preventive treatment. For control treatments only, apply 2.0 pounds of Formec per 100 gallons of spray with three applications at 3 to 5 day intervals. Spray all foliage and flowers (except reduce dosage by one half to spray gladiolus flower spikes) until spray begins to drip off the leaves.

For small areas with knapsack sprayers, backpack sprayers, cart sprayers, pressure sprayers, or other manually operated sprayers, refer to the spray preparation chart below. As a preventive treatment, mix 1 1/2 tablespoons of FORMEC 80 with 1 gallon of water. As a control treatment, mix 2 tablespoons of FORMEC 80 with 1 gallon of water.

One pound of FORMEC 80 per 100 gallons of water per acre is equivalent to one level tablespoon per gallon of spray solution.



6076



1217 W. 12TH STREET
P.O. BOX 4090
KANSAS CITY, MO 64101

June 29, 1993

Document Processing Desk (LIP)
Office of Pesticide Programs (H7504C)
US Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460

Attention: Susan Lewis
Product Management Team 21

Subject: Notifications for Revised Labeling according to Pesticide Regulation (PR) Notice 93-3.

Dear Ms. Lewis:

We are submitting notifications for revised labeling to comply with Pesticide Regulation (PR) Notice 93-3, Labeling Statement Prohibiting Application to Water. Five product registrations have been revised:

<u>EPA Reg. No.</u>	<u>Product Name</u>
2217-426	Formec 80 Turf and Ornamental Fungicide
2217-546	Maneb 80W Fungicide
2217-692	Teremec SP Fungicide
33955-112	Acme Wettable Dusting Sulfur
33955-420	Acme Lime Sulfur Spray

Enclosed for each of the products shown above are the following:

- a) Three copies of revised labeling.
- b) Application for Pesticide Amendment (EPA Form 8570-1).

If you have any questions, please call me at 816/421-4070.

Sincerely,

James A. Armbruster, Ph.D.
Manager, Regulatory Services

JAA/sfh

