

MAR 20 1992

Dr. Rodney C. Akers
Senior Registration Specialist
BASF Corporation
Agricultural Chemicals
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Dear Dr. Akers:

Subject: Ronilan DF Fungicide, EPA Reg. no. 7969-85
Application for Pesticide Amendment of 07/26/91

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable provided you:

Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- a. The third sentence of the Precautionary Statements must be moved to the position of the first sentence.
- b. Since this product has been shown to be a dermal sensitizer, the following statement must be included in the Precautionary Statements:

"Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

- c. The Statement of Practical Treatment must state as follows:

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

- d. In the warning statement, change "Warning" to "Caution" to conform with the product signal word.

- e. Under Environmental Hazards, change the second sentence to:
"Do not apply directly to water, to areas where surface

water is present or to intertidal areas below the mean high water mark."

f. Submit five copies of your final printed labeling.

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

Sincerely yours,

Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

ACCEPTED
with COMMENTS
in E.P.A. REG. NO. 7969-85

MAR 20 1982

Use of Fungicide amended registered under EPA Reg. No. 7969-85

BASF

Ronilan® DF

fungicide

Turf Fungicide

A water dispersible, granule powder containing:

Active ingredient	
3-(3, 5-Dichlorophenyl)-5-ethenyl-5-methyl-2, 4-oxazolidinedione	50.0%
Inert ingredients	50.0%
Total	100.0%

EPA Reg. No. 7969-85
EPA Establishment No. 7969-WG-1

KEEP OUT OF REACH OF CHILDREN.

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CAUTION

Precautionary Statements

Causes eye irritation. Do not get on skin, in eyes or on clothing. Harmful if swallowed, inhaled or absorbed through skin. When applying this product - wear goggles or face shield, chemical resistant gloves, coveralls or long-legged pants, socks, long-sleeved shirt and chemical resistant boots or shoes or shoe coverings. When mixing or loading or when adjusting, repairing or cleaning equipment, wear chemical resistant gloves extending above the wrist, a chemical resistant apron, long-legged pants, socks and long-sleeved shirt. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

Statement of practical treatment

If contacted, flush eyes immediately with water for 15 minutes. Get medical attention. In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. The product is a potential skin sensitizer. If irritation persists, get medical attention.

Environmental hazards

The product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater.

Net contents 5 lbs.

BASF Corporation
PO Box 13528 Research Triangle Park, NC 27709

Specimen L

Reentry and Worker's Protection Statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an about to be treated area with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information,

"WARNING: Area treated with Ronilan" fungicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If contacted, flush eyes immediately with water for 15 minutes and get medical attention.

In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before reuse."

Directions for use
1. **Violation of Federal law to use this product in a manner inconsistent with its labeling.**

Storage and 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.

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.

In case of emergency
In case of large-scale spillage regarding this product, call:
CHEMTREC 800-424-9300
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:
1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital).
3. BASF Corporation 800-832-HELP.

All applicable directions, restrictions, precautions and Conditions of sale and warranty are to be followed. This labeling must be in the possession of the user at the time of application.

General information

Ronilan® DF fungicide is effective on all turfgrasses for control of Dollar Spot, (*Sclerotinia homoeocarpa*; *Lanzia* sp.; *Moellerodiscus* sp.), Helminthosporium Leaf Spots and Melting Out (*Drechslera* spp.; *Bipolaris* sp.), Pink Patch and Red Thread (*Limonomyces roseipellis* and *Lactisaria luciformis*, respectively), Gray Snow Mold (*Typhula* spp.), Fusarium Patch and Pink Snow Mold (*Fusarium nivale*; *Microdochium* sp.), Anthracnose (*Colletotrichum graminicola*), and Brown Patch (*Rhizoctonia solani*). To maintain the health of your turf, it is recommended that turfgrass be protected against infestation of these diseases. A preventive application of Ronilan DF should occur before the disease is expected to appear. If this cannot be done, make curative applications according to the Application Rates and Timing Table for disease to be controlled.

Thorough coverage of all foliage is important. Enough spray volume and pressure must be used to achieve desired disease control. Apply indicated rates of Ronilan DF in 2-4 gallons of water per 1,000 sq. ft. (80-160 gal./acre) of turf after mowing and allow foliage to dry before irrigation.

Mixing instructions
Fill spray tank with 1/2-3/4 of total water volume required and start agitation system. Jet or mechanical agitation must be provided during filling and application to ensure adequate dispersion/suspension of product. Add proper amount of Ronilan DF.

Complete filling to the desired volume. Keep agitated to ensure even suspension of material. Make fresh daily. Spray uniformly over the area to be treated with a properly calibrated power sprayer equipped with nozzle screens and inline strainers no finer than 50 mesh.

Rinse tank, screens, nozzles thoroughly prior to and following application. Do not apply this product with spray equipment not having jet or mechanical agitation.

Tank mixes
For the additional control of brown patch and anthracnose, Ronilan DF may be tank mixed with Fungo®, systemic turf fungicide. When this or other products are to be tank mixed, a tank mix compatibility test should be conducted to ensure compatibility under local spray conditions. See **Tank mix compatibility test** section on page 3.

Due to variability within species, application equipment and the number of possible tank mix combinations, neither the manufacturer nor the seller has determined whether or not Ronilan DF tank mixes not listed on this labeling can be safely used on all turf sites. It is therefore recommended that the user should determine if Ronilan DF tank mixes can be used safely prior to broad use. Do not use Ronilan DF with other pesticides whose labels caution against its use in tank mixes.

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Tank mix product should be added in the following sequence if the tank has been 1/2-3/4 filled and agitation has been started:

1. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
2. Add flowables (**Ronilan[®] DF fungicide**) or suspensions next.
3. Add emulsifiable concentrates last.
4. Add the remaining amount of water. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply the same day.

Tank mix compatibility test

Any other product that is to be used with **Ronilan DF** should be checked for compatibility. Using a quart jar, check the compatibility of the product using the following procedure:

1. Use only water from intended source and at the source temperature. Fill the jar 1/2-3/4 full.
2. Add 1/4 oz. (1 1/2 teaspoon) of **Ronilan DF** to the water for each 1 oz./1000 sq. ft., or, if a liquid, 1 teaspoon for each pint of recommended rate.
3. Add the remaining water in the jar, cap, invert for 10 cycles and let stand for 15 minutes. An ideal tank mix combination will be uniform. The compatibility is questionable if there are any oil film or globules on the surface, fine particle flocculation in the liquid or at the bottom, or clabbering—thickening of the liquid resembling yogurt or a curd-like texture as with cottage cheese.

Ronilan[®] DF fungicide Application Rates and Timing for Control of Diseases of Turfgrasses

tes and Timing for Control of

Disease	Application intervals Days*	Application Rate of RONILAN DF**			
		Preventive		Curative	
		lb./A	Dry oz. per 1000 sq. ft.	lb./A	Dry oz. per 1000 sq. ft.
Dollar Spot	14-28	2.7	1	5.4	2
Leaf Spots and Melting Out	14-28	2.7	1	5.4	2
Red Thread and Pink Patch	14-28	2.7	1	5.4	2
Brown Patch	14-28	2.7	1	5.4	2
Gray Snow Mold	10-21	5.4	2	11.0	4
Fusarium Patch & Pink Snow Mold	10-21	5.4	2	11.0	4

* Retreat at shorter intervals or use higher rates if conditions which are favorable to disease development exist.
 ** To control existing infections, apply at curative rate. Apply subsequent treatments at the preventive rate once control has been achieved.

Restrictions and limitations

In tank mixes, read and follow restrictions on the **Ronilan DF** and the respective tank mix product label. The most restrictive labeling applies.

Do not apply **Ronilan DF** through any type of irrigation system.

Do not apply more than 12 lbs. of **Ronilan DF** per acre in one year.

Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

The following is a list of diseases discussed in this labeling:

DISEASES	
COMMON NAME	SCIENTIFIC NAME
Anthracnose	<i>Colletotrichum graminicola</i>
Brown Patch	<i>Rhizoctonia solani</i>
Dollar Spot	<i>Sclerotinia homoeocarpa;</i> <i>Lanzia sp.; Moellerodiscus sp.</i>
Fusarium Patch; Pink Snow Mold	<i>Fusarium nivale;</i> <i>Microdochium sp.</i>
Gray Snow Mold	<i>Typhula incarnata</i>
Helminthosporium Leaf Spots Melting Out	<i>Drechslera spp.;</i> <i>Bipolaris sp.</i>
Pink Patch	<i>Limonomyces roseipellis</i>
Red Thread	<i>Laetisaria fuciformis</i>

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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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF Corporation ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF 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 BASF.

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