

FEB 5 1991

Rodney C. Akers, Ph.D.
M&P Corporation
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Dear Dr. Akers:

Subject: Add Use on Turf
Ronilan DF
EPA Registration No. 7969-85
Your Submission Dated November 26, 1990

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 that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling change listed below before you release the product for shipment bearing the amended labeling:
 - Incorporate the Personal Protective Equipment statements required by our letter dated May 7, 1990.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment.

54370;I:Stone;L21-14;KENCO;12/20/90;01/19/91;CL;VO;FF;CL

SYMBOL							
SURNAME							
DATE							

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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,



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

Enclosure

Label Approval
Pending In California

Ronilan • DF 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

KEEP OUT OF REACH OF CHILDREN

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

FFB 5 1991

CAUTION

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

7969-85

**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, coveralls or tightly woven long trousers 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. This product is a potential skin sensitizer. If irritation persists

get medical attention.

**Environmental
Hazards**

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

Net contents 5 lbs.

BASF Corporation
PO Box 13528
Research Triangle
Park, NC 22709

Re-entry 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 re-entry 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 re-use."

DIRECTIONS FOR USE

It is a 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 1-800-424-9300

BASF CORPORATION 1-800-832-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 1-800-832-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 turfgrass for control of: Dollar Spot, Brown Patch, Leafspots, Melting Out, Red Thread, Pink Patch, Fusarium Patch and Gray Snow Mold. 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 can not be done, make curative applications according to the Application Rates and Timing table for the disease to be controlled.

Thorough coverage of all foliage is important so 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 $\frac{1}{2}$ - $\frac{3}{4}$ of total water volume required and start agitation system. Jet or mechanical agitation must be provided during filling and application to ensure a d e q u a t e 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 in line strainers no finer than 50 mesh.

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

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 below.

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.

Tank mix product should be added in the following sequence after the tank has been $\frac{1}{2}$ - $\frac{3}{4}$ 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) 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 $\frac{1}{2}$ - $\frac{3}{4}$ full.

2) Add $\frac{1}{4}$ oz ($\frac{1}{4}$ teaspoon) of RONILAN DF to the water for each 1 oz/1000 sq.ft., or, if a liquid, 1 fluid 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

RONILAN DF Application Rates and Timing for Control of Disease of Turfgrasses

DISEASE	APPLICATION RATE OF RONILAN DF**				
	APPLICATION INTERVALS	PREVENTIVE		CURATIVE	
	DAYS*	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	10-21	5.4	2	11.0	4

* Re-treat 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.

*** Not approved in California.

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>
Fusarium Patch	<i>Fusarium nivale</i>
Gray Snow Mold	<i>Typhula incarnata</i>
Helminthosporium Leaf Spots Melting Out	<i>Drechslera spp.</i>
Pink Patch	<i>Laetisaria fuciformis</i>
Red Thread	<i>Limonomyces roseipellis</i>

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. EPA Establishment No. 7696-WG-1

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Made in Germany

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