

NOV 10 1989

Ms. Karen R. Blundell  
BASF Corporation  
100 Cherry Hill Road  
Parsippany, NJ 07054

Dear Ms. Blundell

Subject: Amendment: Add Use on Turf  
Ronilan FL fungicide  
EPA Registration No. 7969-62  
Your Submission Dated November 2, 1989

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) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Under Environmental Hazards, add "This product is toxic to fish." Change the last sentence to read "Do not contaminate water when disposing of equipment washwaters."
  - b. Under precautionary statements, change "avoid breathing dust" to "Avoid breathing vapor or spray mist."

55173:J:Stone:R-13:KENCO:02/28/90:04/02/90:CT:VO:EX:CL

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

- c. Under application rate, change "oz." to "fl. oz."
3. Submit one (1) copy of your final printed labeling 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 section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

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

11/14

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 6 1990

**RONILAN® FL Turf Fungicide**

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

7969-62

**ACTIVE INGREDIENT:**

3-(3,5-Dichlorophenyl)-5-Ethenyl-5-Methyl-2,4-

oxazolidinedione\* . . . . . 41.3%

**INERT INGREDIENTS:** . . . . . 58.7%

\*Equivalent to 4.17 pounds active ingredient per gallon.

EPA Reg. No. 7969-62

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Causes eye irritation. Do not get on skin, in eyes or on clothing.

**Statement of Practical Treatment**

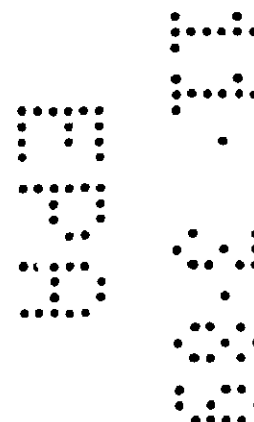
If contacted, flush eyes immediately with water for 15 minutes. Get medical attention. In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. This product is a potential skin sensitizer. If irritation persists get medical attention.

**Environmental Hazards**

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

EPA Establishment No. 7969-WG-1

NET CONTENTS 2 1/2 GALLONS



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Avoid contact with skin, eyes, or clothing. May cause irritation. Avoid breathing dust. **IN CASE OF CONTACT,** immediately flush eyes or skin with plenty of water. **GET MEDICAL ATTENTION** if irritation persists.

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. The area being treated must be vacated by unprotected persons.

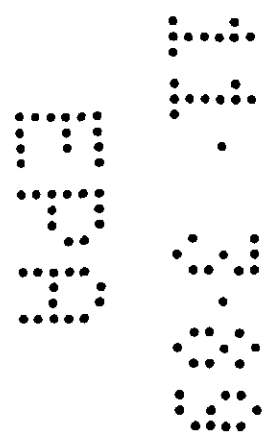
In case of contact with skin or clothing, remove contaminated clothing and wash skin thoroughly with soap and water. Call a physician if irritation occurs. Wash contaminated clothing before reuse.

**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.

Triple rinse container (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



## DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

Fill spray tank with 1/2 - 3/4 of total water volume required. Start tank agitation system. Jet or mechanical agitation must be provided during filling and application to insure adequate dispersion/suspension of product. Add proper amount of RONILAN FL.

Complete filling to the desired volume. Keep agitated to insure 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.

If RONILAN FL is tank mixed with other pesticide products, use the following sequence:

1. Always check compatibility of the tank mix. Pour products into a small container of water in the correct proportions. After thorough mixing, let stand for thirty minutes. If the combination remains mixed, or can be remixed readily, the mixture is compatible.
2. 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.
3. Add flowables or suspensions next.
4. Add emulsible concentrates last.
5. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply the same day.

Note to user: Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse. Do not contaminate feed or food. Keep children and pets out of treated areas during application. Do not allow reentry on to treated area until the spray area is thoroughly dried. Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

RONILAN FL is a liquid flowable fungicide effective on all turfgrasses for control of Dollar Spot (*Sclerotinia homoeocarpa*),

Helminthosporium Leaf Spots and Melting Out (Drechslera spp.), Red Thread and Pink Patch (Limonomyces roseipellis and Laetisaria fuciformis, respectively), and Fusarium Patch (Fusarium nivale) without prolonged snow cover.

Tank mixes of RONILAN and FUNGO (R) systemic turf fungicide effectively control the above diseases plus complexes of Brown Patch (Rhizoctonia solani) and Anthracnose (Colletotrichum graminicola) on all turfgrasses.

Apply indicated rates of RONILAN FL in 2-4 gallons of water per 1,000 sq. ft. of turf after mowing and allow foliage to dry before irrigation. Do not exceed label application rates for these diseases. RONILAN FL cannot be mixed with any product bearing a label prohibiting such mixing.

**RONILAN FL Application Rates and Timing for Control of Diseases of Turfgrasses**

<u>Disease</u>	<u>Application Interval (Days)*</u>	<u>Application Rate oz/1,000 sq. ft.</u>	
		<u>Preventive</u>	<u>Curative**</u>
Dollar Spot	14-28	1	2
Leaf Spots and Melting Out	14-28	1	2
Red Thread and Pink Patch	14-28	1	2
Fusarium Patch	10-21	2	4

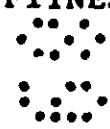
\* Re-treat at shorter intervals or use higher rates if conditions which are favorable to disease development exist.

\*\*To control existing infections, apply at curative rate. Apply subsequent treatments at the preventive rate once control is achieved.

**WARRANTY**

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OF MERCHANTABILITY IS MADE.

RONILAN is a registered trademark of BASF AG



MAR 6 1990

Ms. Karen R. Blundell  
BASF Corporation  
100 Cherry Hill Road  
Parsippany, NJ 07054

Dear Ms. Blundell

Subject: Amendment: Add Use on Ornamentals  
Ronilan FL fungicide  
EPA Registration No. 7969-62  
Your Submission Dated December 1, 1989

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) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. The label for ornamental uses does not contain all of appropriate precautionary statements. These would be required if the label is intended to comprise the entire label.
  - b. Under Environmental Hazards, add "This product is toxic to fish." Change the last sentence to read "Do not contaminate water when disposing of equipment washwaters."
  - c. In the ingredients statement, correct the name of the active ingredient.

55173;I:Stone;R-13;KENCO:02/28/90:04/02/90:CT;VO;EK;CL

CONCURRENCES

FUNCTION								
INITIALS								
DATE								

- d. Dosage rates must be changed from "oz." to "fl. oz." throughout the label.
3. Submit one (1) copy of your final printed labeling 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 section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

SL

Susan Lewis  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (N7505C)



Liquid Flowable Contact Fungicide

For control of diseases on ornamental plants  
For Superior Botrytis Control

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

1990

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

ACTIVE INGREDIENT:

3-(,5-Dichlorophenyl) -5-ethenyl-5methyl-2,4-oxazolidinedione . . . . .	41.3%
INERT INGREDIENTS: . . . . .	58.7%
TOTAL . . . . .	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Causes eye irritation. Do not get on skin, in eyes or on clothing.

STATEMENT OF PRACTICAL TREATMENT

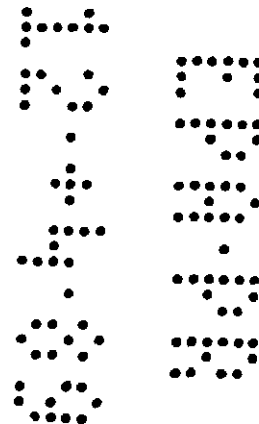
If contacted, flush eyes immediately with water for 15 minutes. Get medical attention. In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. This product is a potential skin sensitizer. If irritation persists get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

EPA Reg. No. 7969-62  
EPA Establishment No. 7969-WG-1

Net contents 1 Quart (946 ml.)



**PRECAUTIONARY STATEMENTS  
RE-ENTRY AND WORKERS' 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. The area being treated must be vacated by unprotected persons. Do not enter treated areas 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.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

Do not use this product through any type of irrigation system.

**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.

**PESTICIDE DISPOSAL:** Triple rinse container (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



PLANT TYPES AND APPLICATION INSTRUCTIONS

RONILAN(R) FL offers superior control of Botrytis spp. on all plant types listed here. For other diseases controlled, refer to Key (below).

HERBACEOUS ORNAMENTALS

- |                |               |                     |                   |
|----------------|---------------|---------------------|-------------------|
| African Violet | Cyclamen      | Hoya                | Pilea             |
| Ajuga          | Daffodil      | ✓Hyacinth           | Primrose          |
| Alyssum        | Delphinium    | Impatiens           | Primula           |
| Anthurium      | Dianthus      | ✓Iris               | Saintpaulia       |
| Artemisia      | Dieffenbachia | Ivy                 | Salvia            |
| Aster          | Dracaena      | Kalanchoe           | Saxifraga         |
| Begonia        | Easter Lily   | Liatris             | Scindapsus        |
| Bleeding Heart | Episcia       | Lily                | Senecio           |
| Calceolaria    | Euphorbia     | Lupine              | Shasta Daisy      |
| Carnation      | Fuchsia       | Marigold            | Sinningia         |
| Chrysanthemum  | Gazania       | Mathiola            | ✓Si... pdragon(6) |
| Cineraria      | Geranium      | Monarda             | Statice           |
| Coleus         | ✓Gerbera      | Narcissus           | Tulip             |
| Columbine      | ✓Gladiolus    | Orchid (Dendrobium) | Violet            |
| Coral Bells    | Gynura        | Pelargonium         | ✓Zinnia(6)        |
| Crossandra     | Gypsophila    | Peperomia           |                   |
|                |               | Petunia             |                   |
|                |               | Philodendron        |                   |
|                |               | Phlox               |                   |
|                |               | Poppy, Oriental     |                   |

WOODY ORNAMENTALS

- |                             |                   |              |               |
|-----------------------------|-------------------|--------------|---------------|
| ✓Almond,<br>flowering(1,4)  | ✓Chokecherry(1,4) | ✓Ivy         | Poinsettia(2) |
| Azalea(5)                   | Crape Myrtle      | Juniper      | Polyscias     |
| ✓Camellia(3)                | Elm               | Oregon Grape | Protea spp.   |
| Cedar                       | Euonymous         | Pachysandra  | Redwood       |
| ✓Cherry,<br>ornamental(1,4) | Ficus(1)          | Palm, Areca  | Rhododendron  |
|                             | Fir               | Pine         | Schefflera    |
|                             | Hydrangea         | ✓Plum(1,4)   | Spruce        |
|                             |                   |              | Vinca         |

KEY TO NOTES AND DISEASES CONTROLLED:

- (1) Use only on non-bearing plants.
- (2) Do not spray Poinsettias in color, or after November 1. Some cultivars may be sensitive to leaf spotting. Do not use on Poinsettia cultivar V-14 Glory.
- (3) through (7): Ornalin DF controls Botrytis spp. on all plants listed on label. On plants indicated, Ornalin Df also controls:
- |                             |       |
|-----------------------------|-------|
| (3) <u>Ciborinia</u>        | ••••• |
| (4) <u>Monilinia</u>        | ••••• |
| (5) <u>Ovulinia</u>         | ••••• |
| (6) <u>Sclerotinia</u>      | ••••• |
| (7) <u>Stromatinia spp.</u> | ••••• |

APPLICATION INSTRUCTIONS:

I. FOLIAR SPRAY--HYDRAULIC APPLICATION

Mixing Instructions: Partially fill the spray tank with clean water and begin agitation. Add the required amount of RONILAN FL to the tank and fill tank to total volume required. Maintain agitation to keep the material in suspension and apply with properly calibrated spray equipment. Normally, 2 to 6 gal. of spray make-up will cover 1,000 square feet of foliage. Apply until leaves glisten, but not to point of runoff.

Application Rates and Timing for Disease Control:

Preventive -- Apply 8 oz. to 12 oz. RONILAN FL per 100 gallons of water when conditions for disease prevail. Repeat every 10 to 14 days as needed.

Notes to user: Ensure that plants dry off quickly after treatment. Do not spray stressed plants. Do not drench growth media. Do not spray seedling until formation of three true leaves.

II. FOLIAR SPRAY -- THERMAL FOGGER APPLICATION

Thermal foggers such as the pulsFOG(R) with a built-in agitator may be used to apply RONILAN FL.

Mixing Instructions: Ensure that fogging device is in working order before preparing solution. In a separate container, prepare fogging solution of 19 ounces of VK-II carrier solution and 51 ounces of water. Then add appropriate amount of RONILAN FL (below). Solution will cover 10,000 square feet of greenhouse area.

Application Rates and Timing for Disease Control:

Preventive -- Add 3.2 ounces RONILAN FL to fogging solution. Repeat every 10 to 14 days as long as disease conditions prevail.

Curative -- Add 6.4 ounces RONILAN FL to fogging solution. Repeat every 10 for 14 days as needed.

Notes to user: Operator should wear mask, gloves, boots and respirator for application. Best results are obtained with treatments made late in the day. Treated area should be ventilated early the next morning. Avoid inhaling vapors. Never fog plants with wet foliage or plants under water. Fogging should not be done on Poinsettias once bracts begin to show color.

pulsFOG(R) is a registered trademark of Dr. Stahl & Sohn, Uberlingen, West Germany.

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CUT FLOWERS - GLADIOLUS AND ROSE

Usage: Prevents Gray Mold (Botrytis gladiorum) on gladiolus spikes and Botrytis cinerea on roses in cold storage or transit.

Application Rates and Timing: As a postharvest dip, dip flower buds 3 to 4 seconds in solution of 16 oz. to 48 oz. RONILAN FL per gallon of water (1/2 to 1 tablespoon per gallon) after grading and prior to cold storage. Addition of wetting agent will enhance spreadability.

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ROSE BUDWOOD AND BAREROOT NURSERY STOCK

Usage: Prevents Gray Mold (Botrytis cinerea) on budwood and nursery stock in storage.

Application Rates and Timing: Use as a spray or dip. Spray to runoff, or dip plants in 24oz. RONILAN FL per 100 gallons of water. Use after harvest and prior to storage.

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BULB AND CORN

Plant Types:

- |               |               |
|---------------|---------------|
| Gladiolus (7) | Narcissus (6) |
| Hyacinth (6)  | Scillia (6)   |
| Iris          | Tulip         |
| Lily          |               |

Usage: Prevents Gray Mold (Botrytis spp.) and Sclerotinia.

Application Rates and Timing: As a dip, use 16 oz. to 32 oz. RONILAN FL per 100 gallons of water. Maintain suspension by agitation. Use after harvest and prior to storage.

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FIELD GROWN FLOWERS

Usage Controls Gray Mold (Botrytis spp.) during production.

Application Rates and Timing: For aerial application, use 24 oz. RONILAN FL in 20 to 25 gallons of water per acre. Apply when conditions for disease prevail. Repeat every 10 to 14 days as needed.

14  
14

WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, water practices, nature of soil or potting medium, the disease problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

JBG 11/13/89