

**Ronilan FL Fungicide**

A flowable formulation containing:

**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

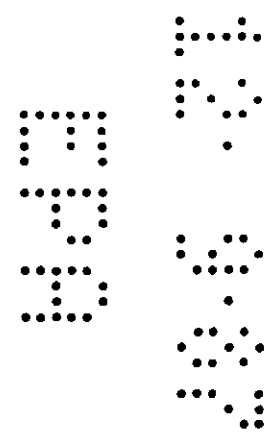
If contacted flush eyes immediately with water for 15 minutes. Get medical attention. In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. This product is a potential skin sensitizer. If irritation persists get medical attention.

ENVIRONMENTAL HAZARDS

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

Net Contents 2 1/2 Gallons

**BASF Corporation Chemicals Division  
 100 Cherry Hill Road, Parsippany, New Jersey 07054**



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 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 area about to be treated 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 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. 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

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.

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.

In case of emergency

In case of large-scale spillage regarding this product, call:  
CHEMTREC ..... 800-434-9300  
BASF Corporation ... 201-316-3000

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 201-316-3000.

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 is a contact fungicide for the control of Botrytis fruit rot (gray mold) of strawberries, Sclerotinia "drop" (water soft rot) of head lettuce, and brown rot blossom and twig blight, and fruit brown rot on stonefruit. Through coverage of plant parts to be protected is essential for effective disease control. If other diseases are a problem, an additional fungicide will be needed.

The repeated exclusive use of Ronilan, as is the case with the exclusive use of other fungicides, may result in the buildup of resistant strains of Botrytis and loss of disease control. A spray program alternating other fungicides with Ronilan may delay the buildup of resistant strains. If treatment becomes ineffective due to the presence of a Ronilan resistant strain of Botrytis, then prompt use of other fungicides is necessary to maintain disease control.

STRAWBERRIES

Time and rate of application for states other than California and Florida

Thorough spray coverage of the blossoms and developing fruit is essential. For full season control of Botrytis disease, the following spray program is recommended. The first application should be made no later than 10% primary bloom at rates indicated (see table). The interval between subsequent applications will vary according to weather conditions and resultant disease pressure. A rate of 1 1/2 pints product per acre is generally recommended. A one pint product per acre rate of Ronilan should be used only when low disease pressure can be predicted. A two pints product per acre rate should be used when the foliage is dense and/or disease pressure is high. If a heavy rainfall occurs any time during this spray program or if a wet period (light rain, fog or dew) lasting more than 2 1/2 hours occurs, immediate retreatment is necessary at a rate of 1 1/2 to 2 pints product per acre as soon as conditions will allow the spray to dry on the plants.

Time and Rate of Application for California

Thorough spray coverage of blossoms and developing fruit is essential for good disease control. For full season control of Botrytis disease, fungicides may need to be applied at 7 to 14 day intervals throughout the product cycle. When using Ronilan, the first application should be made no later than 10% primary bloom. If conditions favorable for high disease pressure persist after the first application, a second application should be made 7 to 9 days after the first.

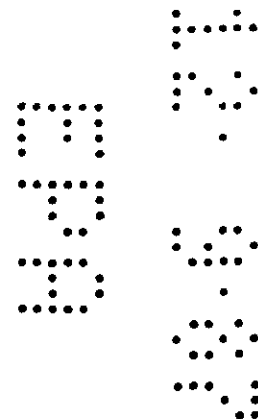
To reduce the hazard of resistance developing, further use of Ronilan should be reserved for periods of high disease pressure and/or highest economic return. A rate of 1 1/2 pints product per acre is generally recommended. A 2 pints product per acre rate should be used when foliage is dense and disease pressure is high. Make no more than a total of four applications of Ronilan per season.

Time and Rate of Application for Florida

Thorough spray coverage of the developing fruit is essential. For full season control of Botrytis disease, fungicides should be applied at 7 day intervals throughout the production cycle. If a frost protection irrigation is planned, an application of Ronilan must be made immediately before and after the irrigation. If a heavy rainfall occurs anytime during the spray program or if a wet period (light rain, fog, or dew) lasting more than 24 hours occurs, immediate retreatment is necessary as soon as conditions will allow the spray to dry on the plants.

Method of application

Ground Equipment: Application of Ronilan should be made in not less than 100 gallons of spray solution per acre to obtain thorough coverage of the developing fruit. An operating pressure of 60-150 psi is recommended to obtain adequate penetration of the spray through the canopy. Cone-type nozzles are recommended. Spray booms with at least 3 nozzles per row (1 over row: 2 side drops) are recommended.



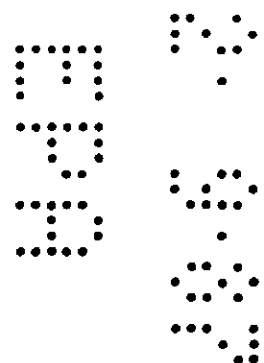
Application Rates for Strawberries in States other than California and Florida			
Moisture Conditions	Spray* Interval (Days)	Rate (Pints Product/A)	
		1st Year Plants or Sparse Foliage	Dense Foliage
Frequent natural moisture (intermittent rain, fog, dew) or when using sprinkler irrigation (high disease pressure)	7-9	1 1/2	1 1/2 - 2
Limited natural moisture or infrequent sprinkler irrigation (low disease pressure)	10-14	1	1 1/2 - 2

\*Use spray interval throughout the bearing cycle.

Application Rates for Strawberries in California			
Moisture Conditions	Spray* Interval (Days)	Rate (Pints Product/A)	
		1st Year Plants or Sparse Foliage	Dense Foliage
Frequent natural moisture (intermittent rain, fog, dew) or when using sprinkler irrigation (high disease pressure)	7-9	1 1/2	2

\*Make no more than four (4) applications per season.

Application Rates for Strawberries in Florida		
Moisture Conditions	Spray Interval (Days)	Rate (Pints Product/A)
Frequent natural moisture (intermittent rain, fog, dew) or when using sprinkler irrigation (high disease pressure)	7	2



Air equipment: Application of Ronilan should be made in not less than 20 gallons of spray solution per acre. Thorough spray coverage of the developing fruit is essential.

Restrictions and Limitations for Strawberries

Do not apply more than a total of 12 pints of product per acre in one season, except in California where the total is restricted to 8 pints in no more than four applications.

Ronilan does not control Rhizopus rot of strawberries in the field or in storage. There may be a competitive relationship between Botrytis and Rhizopus incidence such that control of Botrytis may result in an increase of Rhizopus rot in stored fruit. Rhizopus rot becomes a problem as a result of certain climatic conditions (such as prolonged warm, humid periods) and cultural practices (such as high nitrogen fertilization which may lead to the production of softer fruit). If conditions are conducive for Rhizopus development, including those described above, do not use Ronilan.

Do not use Ronilan as a plant dip, as injury will occur.

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

Rotational Crop Restrictions for States Other Than California

Lettuce (head types only) may be planted after strawberries.

Leafy vegetables may be planted 6 months after treatment that does not exceed 6 pounds active ingredient<sup>1</sup> per acre (12 pints product per acre).

Cucurbits may be planted 2 months after treatment that does not exceed 6 pounds active ingredient per acre (12 pints product per acre).

Corn may be planted 2 months after treatment that does not exceed 6 pounds active ingredient per acre (12 pints product per acre), provided only the corn grain is used for food and/or feed purposes.

Other grain crops may be planted 9 months after treatment that does not exceed 6 pounds active ingredient per acre (12 pints product per acre).

Any rotational crops may be planted 20 days after treatment that does not exceed 3 pounds active ingredient per acre (6 pints product per acre).

Rotational Crop Restrictions for California

Lettuce (head types only) may be planted after strawberries.

Leafy vegetables may be planted 6 months after treatment that does not exceed 4 pounds active ingredient per acre (8 pints product per acre).

Cucurbits may be planted 2 months after treatment that does not exceed 4 pounds active ingredient per acre (8 pints product per acre).

Corn may be planted 2 months after treatment that does not exceed 4 pounds active ingredient per acre (8 pints product per acre), provided only the corn grain is used for food and/or feed purposes.

Other grain crops may be planted 9 months after treatment that does not exceed 4 pounds active ingredient per acre (8 pints product per acre).

Any rotational crops may be planted 20 days after treatment that does not exceed 3 pounds active ingredient per acre (6 pints product per acre).

LETTUCE (Head Types Only)  
Time and Rate of Application

For control of Sclerotinia "drop", up to three applications may be made under certain conditions in one season as specified in the rate table. Thorough spray coverage of plant parts to be protected is essential for effective disease control. Do not disturb soil after application.

Method of application

Application of Ronilan should be made in not less than 100 gallons of spray solution per acre (broadcast basis) to obtain thorough coverage of the lower leaves, plant stem and bed surface. An operating pressure of 50-100 psi is recommended. Use cone or flat fan nozzles. Flood type nozzles should not be used. To apply Ronilan to one-row beds, spray booms should have at least 2 nozzles per row. For two-row beds use three nozzles or more per bed.

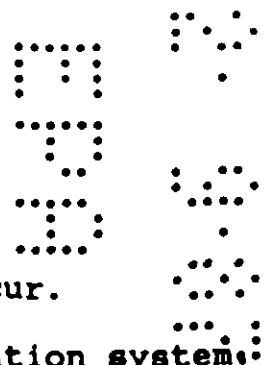
Restrictions and Limitations for Lettuce

Do not apply Ronilan within 28 days of harvest.

Do not use on leaf type lettuce.

Do not use Ronilan as a plant dip, as injury may occur.

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



Application Rates for Lettuce (Head Types Only)			
Application	Timing	Rate (Pints Product/Acre)	
		*Low Disease Pressure	*High Disease Pressure
First	Direct Seeded Lettuce-Application should be made immediately (within 2 days) after thinning.	1	1 1/2 - 2
	Transplanted Lettuce-Application should be made 7-10 days after transplanting.		
Second	Application should be made 14 days after first spray if cool, wet conditions (which favor disease) occur for periods lasting 48 hours or more.		
Third	Direct Seeded Lettuce Only - Application should be made 14 days after second spray if conditions favoring disease occur.		

\* Based on previous history of disease infestation in the field or adjacent fields.

**STONEFRUIT**

General Information

Ronilan is effective for the control of brown rot blossom and twig blight, and fruit brown rot of stonefruit including apricots, cherries, nectarines, peaches, plums, and prunes. Ronilan is a contact fungicide, therefore, thorough coverage of plant parts to be protected is essential for effective disease control.

Time and Rate of Application

Depending on conditions which favor disease development, one to three applications should be made during bloom for control of brown rot blossom and twig blight. One or two preharvest applications should be made for control of fruit brown rot (see table).

A rate of 1 1/2 pints product per acre is generally recommended. A one pint product per acre rate of Ronilan should be used only when low disease pressure can be predicted. Under high disease pressure or in conditions very favorable for disease development, use the higher treatment rates specified, multiple applications, and shorter application intervals. For large mature trees, use the higher treatment rates specified.

Consistency of disease control with low recommended rates can be enhanced by 8-16 oz/100 gal of a non-ionic surfactant in tank mix with Ronilan.



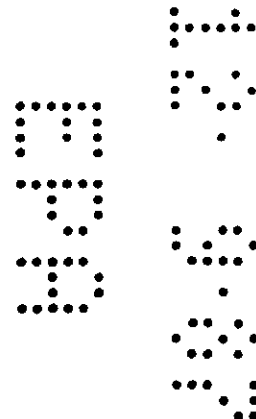
Method of Application

Rates of Ronilan per 100 gallons are based on an application of 400 gallons per acre of dilute spray. Refer to the Application Rates and Timing for Control of Brown Rot if other than 400 gallons per acre is applied.

Apply Ronilan as a spray with ground equipment, using sufficient water to obtain thorough coverage (50-400 gallons per acre).

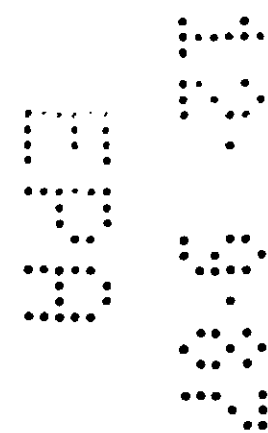
Mixing Instructions: Partially fill the spray tank with clean water and begin agitation. Measure the required amount of Ronilan and add to the tank. Fill the tank to the total volume required. Maintain agitation to keep the material in suspension and apply with properly calibrated spray equipment.

Ronilan is physically compatible with most pesticides used in a tank mix on stonefruit. To assure compatibility of Ronilan with other products, add correct proportions in a small container with water. Mix thoroughly and let the mixture stand for five minutes. The mixture is compatible if the combination remains mixed, or can be readily remixed.



Stonefruit			
Application Rates and Timing for Control of Brown Rot (Monilinia spp.)			
Crop	Pints of Product*		Timing
	per 100 gallons	Acre	
Apricots Cherries Nectarines Peaches Plums Prunes	0.25 to 0.5 Rate is based on 400 GPA.	1.0 to 2.0	<p><b>BROWN ROT BLOSSOM &amp; TWIG BLIGHT</b> Apply at early bloom Apricots - Red Bud Peaches &amp; Nectarines-Pind Bud Cherries - Early Popcorn Plums &amp; Prunes - Green Tip Apply again at full bloom if conditions persist which favor disease development. Apply again at petal fall if conditions persist which favor disease development.</p> <p>Do not apply more than 3 bloom treatments.</p> <p><b>FRUIT BROWN ROT</b> Apply when conditions favor disease development within 3 weeks of harvest. One additional application should be made 7 to 14 days later if these conditions persist.</p> <p>Do not apply more than 2 pre- harvest treatments.</p> <p>Do not apply within 3 days of harvest.</p>
	Do not exceed 2 pints product per acre per application.		

\* See Time and Rate of Application.



Restrictions and Limitations for Stonefruit

Do not apply Ronilan within 3 days of harvest.

Do not apply more than 2 pints of Ronilan per acre per application.

Do not apply more than 10 pints of Ronilan per acre per season (maximum of 6 pints at bloom and 4 pints preharvest).

Do not apply Ronilan during rain. Apply when conditions will permit spray to dry on the plants.

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

**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. 7969-WG01

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