

SUPPLEMENTAL LABELING

RONILAN[®] FL
fungicide

IN LETTUCE (ALL TYPES), RASPBERRIES, AND ONIONS
(EPA Reg. No. 7969-62)

All applicable directions, restrictions, precautions and Conditions of Sale and Warranty on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of application.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Ronilan[™] is a contact fungicide for control of sclerotinia "drop" (watery soft rot) of lettuce, botrytis fruit rot of raspberries, and sclerotinia watery soft rot, sclerotium white rot, botrytis neck rots, and botrytis leaf blight of onions. A chemical barrier of Ronilan must be established and maintained to achieve effective disease control. For diseases which infect above ground plant parts (such as fruit rots and leaf blights caused by botrytis), thorough spray coverage of the plant parts to be protected is essential. For diseases which infect plant parts at the soil surface or below ground (such as white rot on onions), thorough spray coverage of the soil and stem base is essential. Refer to the following sections for specific information.

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 plant is essential.

RESTRICTIONS AND LIMITATIONS FOR LETTUCE

Do not apply Ronilan within 28 days of harvest. ^{PINTS}
Do not apply more than ~~one~~ ^{one} pint of Ronilan/acre in one

LETTUCE

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. Do not disturb soil after application.

METHOD OF APPLICATION: Ground Equipment. Application should be made with 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 3 nozzles or more per bed.

Section on Lettuce: APPLICATION RATE TABLE - LETTUCE (ALL TYPES)

APPLICATION	FIELD	PINTS RATE PER PRODUCT ACRE	
		LOW DISEASE PRESSURE	HIGH DISEASE PRESSURE
FIRST	<u>Direct Seeded Lettuce-</u> Application should be made immediately (within 2 days) after thinning. <u>Transplanted Lettuce-</u> Application should be made 7-10 days after transplanting.	1	14-2
SECOND	Application should be made 10-14 days after first spray if cool, wet conditions (which favor disease) occur for periods lasting 48 hours or more.		
THIRD	<u>Direct Seeded Lettuce Only-</u> Application should be made 10-14 days after second spray if conditions favorable disease occur.		

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

ACCEPTED

APR 25 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7969-62

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

RASPBERRIES

TIME AND RATE OF APPLICATION: For control of botrytis fruit rot, the following spray program is recommended. The first application should be made not later than 10% primary bloom. Timing of subsequent applications should be made as indicated below (see table) and will vary according to weather conditions and resultant disease pressure.

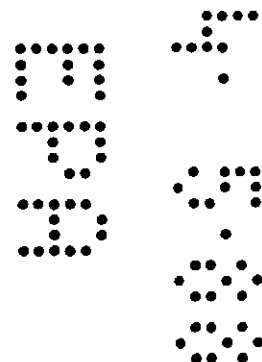
Apply Ronilan at rates ranging from 1 to 2 **PINTS** ~~lbs~~ product/A. The 2 ~~lbs~~ ^{PINT} rate will provide an added margin of control above lower rates and therefore should be used whenever disease pressure is predictably severe. Use the 1 1/2 ~~lbs~~ ^{PINT} rate when disease pressure is expected to be moderate. The 1 ~~lb~~ ^{PINT} rate should only be used in newly established areas when disease pressure is expected to be low.

If a heavy rainfall occurs anytime during this spray program or if a wet period (light rain, fog or dew) lasting more than 24 hours occurs, immediate retreatment is necessary at a rate of 2 ~~lbs~~ ^{PINTS} product per acre as soon as conditions allow the spray to dry on the plants.

APPLICATION RATE TABLE - Raspberries		
MOISTURE CONDITIONS	SPRAY INTERVAL (DAYS)	^{PINTS} RATE lbs PRODUCT/A
Frequent natural moisture (intermittent rain, fog, dew) or when using sprinkler irrigation (high disease pressure).	7-9	1 1/2-2
Limited natural moisture or infrequent sprinkler irrigation.	10-14	1-1 1/2

* Use spray interval throughout the bearing cycle.

METHOD OF APPLICATION: Ground Equipment. Applications of Ronilan should be made with not less than 100 gallons of spray solution per acre (broadcast basis) to obtain thorough coverage of the developing fruit. An operating pressure of 50-100 PSI is recommended. Direct spray nozzles toward the fruit bearing area of the canes.



Air Equipment. Applications 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 RASPBERRIES
Do not apply more than a total of 8 ~~(lbs)~~ PINTS of Ronilan per acre in one crop season.

Do not apply Ronilan within 9 days of harvest.

Do not apply Ronilan during rain. Wait until conditions are such that the spray will dry on the plants.

ONIONS

TIME AND RATE OF APPLICATION:

For control of sclerotinia watery soft rot, sclerotium white rot, and botrytis neck rots, a combination of a soil treatment at planting (in furrow, soil drench or spray band over the row) and foliar treatments after crop emergence is needed. Botrytis leaf blight can be controlled only with foliar sprays. The following recommendations are made according to disease type.

APPLICATION RATE TABLE - ONIONS		
For sclerotinia watery soft rot, sclerotium white rot, and botrytis neck rots. A minimum program of 3 treatments is recommended.		
APPLICATION	TIMING	RATE, VOLUME AND ETC.
FIRST	At planting	In furrow - 2 (lb) product/A row sprayed into the furrow before closing OR Soil drench - 2 (lb) product/A in 400 gallons of water/A applied in a 4-6" band over the row OR Spray band - 2 (lb) product/A in 100 gallons of water/A applied in a 2-4" band over the row.
SECOND	4-6 weeks after crop emergence	Foliar - 2 (lb) product/A in a minimum of 100 gallons of water/A directed at the stem base. Drop nozzles should be used to ensure spray reaches the stem and surrounding soil.
THIRD AND SUBSEQUENT	Up to 3 additional sprays should be applied if disease pressure is high*. If a minimum spray program of 3 sprays is followed, the third application should be made 4-6 weeks before harvest.	Foliar - 2 (lb) product/A in a minimum of 100 gallons of water/A directed at the stem base. Drop nozzles should be used to ensure spray reaches the stem and surrounding soil.

PINTS

*High disease pressure based on previous history of disease infestation in the field or adjacent fields.

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APPLICATION RATE TABLE - ONIONS			
For botrytis leaf blight. A minimum program of 3 foliar treatments is recommended.			
PWTS			
APPLICATION	TIMING	RATE (LBS) PRODUCT/A *	
		LOW DISEASE PRESSURE	HIGH DISEASE PRESSURE
FIRST	4-6 weeks after crop emergence or as soon as disease starts to develop.	14	2
SECOND	2 weeks after first application.		
THIRD AND SUBSEQUENT	Up to 3 additional sprays should be applied if conditions occur which favor disease development (such as wet, humid, soggy conditions).		

*Applications should be made with not less than 100 gallons of spray solution per acre (broadcast basis) to obtain thorough coverage. Use cone or flat fan nozzles. Flood type nozzles should not be used.

RESTRICTIONS AND LIMITATIONS FOR ONIONS

Do not apply more than a total of 10 ^{PINTS} (lbs) of Ronilan per acre in one crop season.

Do not apply within 16 days of harvest.

Do not apply Ronilan during rain when controlling botrytis leaf blight. Wait until conditions are such that the spray will dry on the plants.

CONDITIONS OF SALE AND WARRANTY

The Directions for use of this product reflect the opinion of the 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 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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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 plant is essential.

RESTRICTIONS AND LIMITATIONS FOR LETTUCE

Do not apply Ronilan within 28 days of harvest. ^{PINTS}
Do not apply more than $\frac{1}{2}$ lbs of Ronilan/acre in one

LETTUCE

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. Do not disturb soil after application.

METHOD OF APPLICATION: Ground Equipment. Application should be made with 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 3 nozzles or more per bed.

SEASON ON LETTUCE APPLICATION RATE TABLE - LETTUCE (ALL TYPES)

APPLICATION	TREATMENT	PINTS PER 1000 SQ. FT. ACRE	
		LOW DISEASE PRESSURE	HIGH DISEASE PRESSURE
FIRST	<u>Direct Seeded Lettuce</u> - Application should be made immediately (within 7 days) after thinning <u>Transplanted Lettuce</u> - Application should be made 7-10 days after transplanting.	1	14-2
SECOND	Application should be made 10-14 days after first spray if cool, wet conditions (which favor disease) occur for periods lasting 48 hours or more.		
THIRD	<u>Direct Seeded Lettuce Only</u> - Application should be made 10-14 days after second spray if conditions favoring disease occur.		

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

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RASPBERRIES

TIME AND RATE OF APPLICATION: For control of botrytis fruit rot, the following spray program is recommended. The first application should be made not later than 10% primary bloom. Timing of subsequent applications should be made as indicated below (see table) and will vary according to weather conditions and resultant disease pressure.

PINTS

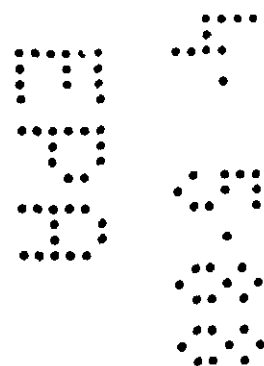
Apply Ronilan at rates ranging from 1 to 2 ~~lb~~ product/A. The 2 ~~lb~~ ^{PINT} rate will provide an added margin of control above lower rates and therefore should be used whenever disease pressure is predictably severe. Use the 1 ~~lb~~ ^{PINT} rate when disease pressure is expected to be moderate. The 1 ~~lb~~ ^{PINT} rate should only be used in newly established areas when disease pressure is expected to be low.

If a heavy rainfall occurs anytime during this spray program or if a wet period (light rain, fog or dew) lasting more than 24 hours occurs, immediate retreatment is necessary at a rate of 2 ~~lb~~ ^{PINTS} product per acre as soon as conditions allow the spray to dry on the plants.

APPLICATION RATE TABLE - Raspberries		
MOISTURE CONDITIONS	SPRAY INTERVAL DAYS	RATE lb ^{PINTS} PRODUCT/A
Frequent natural moisture (intermittent rain, fog, dew) or when using sprinkler irrigation (high disease pressure)	7-9	1.5-2
Limited natural moisture or infrequent sprinkler irrigation	10-14	1-1.5

* Use spray interval throughout the bearing cycle.

METHOD OF APPLICATION: Ground Equipment. Applications of Ronilan should be made with not less than 100 gallons of spray solution per acre (broadcast basis) to obtain thorough coverage of the developing fruit. An operating pressure of 50-100 PSI is recommended. Direct spray nozzles toward the fruit bearing area of the canes.



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Air Equipment. Applications 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 RASPBERRIES

Do not apply more than a total of 8 ~~(lbs)~~ **PINTS** of Ronilan per acre in one crop season.

Do not apply Ronilan within 9 days of harvest.

Do not apply Ronilan during rain. Wait until conditions are such that the spray will dry on the plants.

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ONIONS

TIME AND RATE OF APPLICATION:

For control of sclerotinia watery soft rot, sclerotium white rot, and botrytis neck rots, a combination of a soil treatment at planting (in furrow, soil drench or spray band over the row) and foliar treatments after crop emergence is needed. Botrytis leaf blight can be controlled only with foliar sprays. The following recommendations are made according to disease type.

APPLICATION RATE TABLE - ONIONS		
For sclerotinia watery soft rot, sclerotium white rot, and botrytis neck rots. A minimum program of 3 treatments is recommended.		
APPLICATION	TIMING	RATE, VOLUME AND STYLE
FIRST	At planting	In furrow - 2 (lb) product/A row sprayed into the furrow before closing OR Soil drench - 2 (lb) product/A in 400 gallons of water/A applied in a 4-6" band over the row OR Spray band - 2 (lb) product/A in 100 gallons of water/A applied in a 2-4" band over the row.
SECOND	4-6 weeks after crop emergence	Foliar - 2 (lb) product/A in a minimum of 100 gallons of water/A directed at the stem base. Drop nozzles should be used to ensure spray reaches the stem and surrounding soil.
THIRD AND SUBSEQUENT	Up to 3 additional sprays should be applied if disease pressure is high*. If a minimum spray program of 3 sprays is followed, the third application should be made 4-6 weeks before harvest.	Foliar - 2 (lb) product/A in a minimum of 100 gallons of water/A directed at the stem base. Drop nozzles should be used to ensure spray reaches the stem and surrounding soil.

PINTS

*High disease pressure based on previous history of disease infestation in the field or adjacent fields

APPLICATION RATE TABLE - ONIONS			
For botrytis leaf blight. A minimum program of 2 foliar treatments is recommended.			
APPLICATION	TIMING	RATE (LBS) PRODUCT/A * PINTS	
		LOW DISEASE PRESENCE	HIGH DISEASE PRESENCE
FIRST	4-6 weeks after crop emergence or as soon as disease starts to develop	14	2
SECOND	2 weeks after first application.		
THIRD AND SUBSEQUENT	Up to 3 additional sprays should be applied if conditions occur which favor disease development (such as wet, humid, smoggy conditions).		

*Applications should be made with not less than 100 gallons of spray solution per acre (broadcast basis) to obtain thorough coverage. Use cone or flat fan nozzles. Flood type nozzles should not be used.

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RESTRICTIONS AND LIMITATIONS FOR ONIONS

Do not apply more than a total of 10 (lbs) ^{PINTS} of Ronilan per acre in one crop season.

Do not apply within 18 days of harvest.

Do not apply Ronilan during rain when controlling botrytis leaf blight. Wait until conditions are such that the spray will dry on the plants.

CONDITIONS OF SALE AND WARRANTY

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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.