

04-MAY-1998

((LABEL))

RIDOMIL(R) 240EC

AGRICULTURAL

FUNGICIDE

NET CONTENTS: 1 L

Emulsifiable Concentrate for control of:  
Blue Mold in Tobacco  
Red Stele in Strawberries  
Collar Rot Control in Apples (non-bearing)  
Root Rot Control in Raspberries  
Downey Mildew in Hops  
Pythium Damping-Off and  
Phytophthora  
Root Rot in Snap Beans  
Pythium Damping-Off in Cucumbers

REGISTRATION NO.: 17274 Pest Control Products Act

Guarantee: metalaxyl....240 g/L

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation of spray mist. Avoid contact with skin and eyes. Avoid contamination of food and feed and domestic or irrigation water supplies, lakes, streams and ponds.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

CAUTION

POISON

Novartis Crop Protection Inc.  
140 Research Lane  
Research Park, University of Guelph  
Guelph, Ontario  
N1G 4Z3

PRECAUTIONS:

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Change clothing after use. Wash with soap and water after use. Avoid application when weather conditions favour drift from treated areas. Do not eat, drink or smoke while mixing or during application. Do not

contaminate streams, lakes, ponds, irrigation water, water used for livestock or domestic purposes by cleaning of equipment or disposal of wastes. In order to minimize risk to the environment from the use of this product do not use in coarse textured gravelly soils with less than 2% organic matter, or in areas where the water table may be high.

#### FIRST AID:

In case of eye contact, flush with plenty of water for 15 minutes and get medical attention or contact a poison control centre. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, get medical attention or contact a poison control centre. If swallowed, give water or milk if conscious and get medical attention; do not induce vomiting. If inhaled, move to fresh air; if not breathing, give artificial respiration and get medical attention or contact a poison control centre.

#### TOXICOLOGICAL INFORMATION:

No specific antidote. If RIDOMIL 240EC is ingested, lavage stomach. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

#### DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

#### NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

#### NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto. The buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL,

FIRE OR POISONING CALL 1-800-267-6351

(R) RIDOMIL is a registered of Novartis Crop Protection Inc.

((BOOKLET))

RIDOMIL(R) 240EC

AGRICULTURAL FUNGICIDE

Emulsifiable Concentrate for control of:  
Blue Mold in Tobacco  
Red Stele in Strawberries  
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## NOTICE TO BUYER:

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## PRECAUTIONS:

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Change clothing after use. Wash with soap and water after use. Avoid application when weather conditions favour drift from treated areas. Do not eat, drink or smoke while mixing or during application. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or domestic purposes by cleaning of equipment or disposal of wastes. In order to minimize risk to the environment from the use of this product do not use in coarse textured gravelly soils with less than 2% organic matter, or in areas where the water table may be high.

## FIRST AID:

In case of eye contact, flush with plenty of water for 15 minutes and get medical attention or contact a poison control centre. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, get medical attention or contact a poison control centre. If swallowed, give water or milk if conscious and get medical attention; do not induce vomiting. If inhaled, move to fresh air; if not breathing, give artificial respiration and get medical attention or contact a poison control centre.

## TOXICOLOGICAL INFORMATION:

No specific antidote. If RIDOMIL 240EC is ingested, lavage stomach. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

## DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.

2. Follow provincial instructions for any required additional cleaning of container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL,  
FIRE OR POISONING CALL 1-800-267-6351

GENERAL INFORMATION:

RIDOMIL® 240EC is a systemic fungicide for the control of Blue Mold in tobacco, Red Stele in strawberries, Collar Rot in apples (non-bearing) and Root Rot in raspberries, Downey Mildew in hops and Pythium Damping-Off and Phytophthora Root Rot in Snap Beans and Pythium Damping-Off in cucumbers, when applied in a preventative program. RIDOMIL 240EC is readily absorbed through the roots of plants providing protection against attack from these diseases by working from inside the plants under all weather conditions.

USE LIMITATIONS:

Experience has shown that strains of fungus resistant to metalaxyl may develop. Failure to control the disease will result in crop damage and/or yield losses. Since the occurrence of the resistance cannot be foreseen, NOVARTIS Crop Protection Canada Inc. accepts no responsibility for any loss of, or damage to, crops resulting from the failure of RIDOMIL 240EC to control the resistant fungus strains. If Blue Mold appears in the field, consult the government tobacco specialist immediately. If Red Stele of strawberries appears in the field, consult the local government fruit specialist. DO NOT APPLY BY AIRCRAFT.

DIRECTIONS FOR USE IN TOBACCO GREENHOUSE SEEDBEDS:

Mix 50 mL of RIDOMIL 240EC in 100 litres of water and apply to 100 square metres of plant bed, within 72 hours prior to seeding. DO NOT APPLY RIDOMIL 240EC WITH EQUIPMENT THAT HAS BEEN USED PREVIOUSLY FOR HERBICIDE APPLICATION.

DIRECTIONS FOR FIELD APPLICATION IN TOBACCO:

Mixing and Spraying instructions:

1. Fill spray tank  $\frac{1}{2}$  to  $\frac{3}{4}$  full with water.
2. With agitation system engaged, and the required amount of RIDOMIL 240EC and then continue filling the tank with water.
3. Maintain sufficient agitation during the mixing and spraying

operation.

4. Sprayer equipment should be thoroughly flushed with clean water and drained before and after use of RIDOMIL 240EC.

NOTE:

Do not let tank contents stand for long periods of time without agitation. If spraying is interrupted, thoroughly re-agitate before application. RIDOMIL 240EC SPRAY SOLUTION MUST NOT BE STORED OVERNIGHT.

Sprayer Information:

Use nozzle screens not finer than 50 mesh size. Keep by-pass line on or near bottom of tank to minimize foaming.

Spray pressure - 200 to 300 kPa.

Spray volume per hectare - 200 to 300 litres of water.

COMPATIBILITY:

RIDOMIL 240EC SHOULD NOT BE TANK-MIXED WITH ANY NEMATOCIDE, INSECTICIDE, HERBICIDE, FUNGICIDE, OR FERTILIZER.

RATES: FLUE-CURED TOBACCO:

Apply RIDOMIL 240EC at 2.4 to 4.7 litres of product per hectare. The lower rate may give a maximum of five weeks prevention against Blue Mold.

Ontario experience to date indicates that Blue Mold usually becomes a problem in the last two weeks of July, and the first week of August. If season-long control of Blue Mold is desired, only the 4.7 litre rate of RIDOMIL 240EC should be applied.

SUPPLEMENTAL APPLICATION - FOR FLUE CURED TOBACCO

For prolonged control of Blue Mold in field planted tobacco, make a supplemental application of 2.4 litres of RIDOMIL 240EC per hectare as a broadcast soil application before the last cultivation. If dry weather persists after application, irrigation must be applied to move RIDOMIL 240EC into the root zone. Do not make this lay-by application if more than 2.4 litres of RIDOMIL 240EC were applied before transplanting. Do not use RIDOMIL 240EC as a foliar application on field grown tobacco or injury may occur.

BURLEY TOBACCO:

Use the 4.7 litre per hectare rate of RIDOMIL 240EC only. May be applied as a single application prior to transplant or as a split application of 2.4 litres per hectare prior to transplanting followed by 2.4 litres applied to the soil just

prior to the final cultivation. If dry weather persists after application, irrigation must be applied to move RIDOMIL 240EC into the root zone. Do not use RIDOMIL 240EC as a foliar application on field grown tobacco or injury may occur.

#### APPLICATION AND INCORPORATION INSTRUCTIONS:

Apply RIDOMIL 240EC close to and preferably within 24 hours prior to transplanting. Spray evenly over the entire soil surface. For proper incorporation, cultivate between the rows with S-Tine or Kongsilde-type teeth set to work the soil 10 cm deep, making sure the sides of the fumigant hill are removed. Travel at a ground speed of 10-13 km/hr. Minimize soil movement from the top of the fumigant hill during transplanting so that young seedlings are not surrounded by untreated soil. DO NOT BAND. DO NOT APPLY IN TRANSPLANT WATER. DO NOT APPLY RIDOMIL 240EC BY AIRCRAFT.

#### WARNING:

FAILURE TO FOLLOW LABEL DIRECTIONS MAY RESULT IN FAILURE TO CONTROL BLUE MOLD. IF HERBICIDE SPRAYERS ARE NOT THOROUGHLY CLEANED BEFORE APPLYING RIDOMIL 240EC, SEVERE CROP DAMAGE WILL OCCUR. CONSULT THE LOCAL TOBACCO SPECIALIST ON PROPER SPRAYER CLEANING TECHNIQUES.

STRAWBERRIES: Ontario, Quebec and Maritime Provinces

#### NEW PLANTINGS

First Application - Apply 4.2 litres of RIDOMIL 240EC per hectare in early September.

Second Application - Apply 4.2 litres of RIDOMIL 240EC per hectare in late October but not later than October 31.

#### ESTABLISHED PLANTINGS

##### FALL APPLICATION:

First Application- Apply 4.2 litres of RIDOMIL 240EC per hectare in early September.

Second Application - Apply 4.2 litres of RIDOMIL 240EC per hectare in late October but no later than October 31.

RIDOMIL SHOULD NOT BE APPLIED IN THE SPRING ON ESTABLISHED PLANTINGS.

#### APPLICATION INSTRUCTIONS:

Apply as a broadcast application in sufficient water to ensure even coverage. If dry conditions prevail at the time of application, use sufficient water volume (2500 L/ha) to ensure movement of RIDOMIL 240EC into the root zone.

STRAWBERRIES: Western Canada

NEW PLANTINGS:

Apply 85 mL of RIDOMIL 240EC per 100 metres of row to the soil surface in a one-metre wide band centered over the row, as a post soil drench. Apply again in the fall prior to freeze-up (no later than November 30).

ESTABLISHED PLANTINGS:

Apply 85 mL of RIDOMIL 240EC per 100 metres of row to the soil surface in a one-metre wide band centered over the row, in the fall (no later than November 30).

RIDOMIL will readily move into the soil root zone following rain or irrigation.

RIDOMIL SHOULD NOT BE APPLIED IN THE SPRING ON ESTABLISHED PLANTINGS.

WARNING:

FAILURE TO FOLLOW LABEL DIRECTIONS MAY RESULT IN FAILURE TO CONTROL RED STELE. IF HERBICIDE SPRAYERS ARE NOT THOROUGHLY CLEANED BEFORE APPLYING RIDOMIL 240EC, SEVERE CROP DAMAGE WILL OCCUR. CONSULT THE LOCAL FRUIT SPECIALIST ON PROPER SPRAYER CLEANING TECHNIQUES.

APPLES (Non-bearing)

Phytophthora Collar Rot Control

Apply 4.25 mL of RIDOMIL 240EC in 5 litres of water per tree. RIDOMIL should be applied as a thorough drench to the surface of the soil around the base of the tree. Make the first application at the time of planting, as a preventative treatment and again in late August. In subsequent non-bearing years, apply Ridomil 240EC in the spring before new growth begins (usually late April) and again in late August.

RASPBERRIES:

PHYTOPHTHORA AND PYTHIUM ROOT ROT CONTROL

NEW PLANTINGS:

Apply 150 mL of RIDOMIL 240EC per 100 metres of row to the soil surface in a one-metre wide band centered over the row, as a post planting soil drench. Apply again in the fall (no later than November 30).

ESTABLISHED PLANTINGS:



Apply 150 mL of RIDOMIL 240EC per 100 metres of row to the soil surface in a one-metre wide band centered over the row in the fall (no later than November 30).

RIDOMIL will readily move into the soil root zone following rain or irrigation.

RIDOMIL SHOULD NOT BE APPLIED IN THE SPRING ON ESTABLISHED PLANTINGS.

#### HOPS:

##### DOWNY MILDEW

Apply 2.29 L of RIDOMIL 240EC in 200 L of water per hectare in early April. Drench at the root site with a field sprayer. Maximum of one application per season. Pre-harvest intervals is 135 days.

#### NOTICE TO BUYER/USER:

The DIRECTIONS FOR USE for this product for the use described on this Supplementary Label were developed by persons other than Novartis Crop Protection Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Novartis Crop Protection Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop listed below.

Accordingly, the Buyer and User assume all liability arising, and agree to hold NOVARTIS Crop Protection Canada Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the use described below.

#### DIRECTIONS FOR USE:

##### SNAP BEANS

RIDOMIL 240EC applied at planting will control Pythium Damping-Off and Phytophthora Root Rot in snap beans. Apply RIDOMIL 240EC at the rate of 9.2 mL of product per 100 metres of row based on a 20 cm spray band and 76cm row spacing. This is equivalent to an RIDOMIL 240EC per treated hectare. Adjust the spray nozzles so that one third of the band is applied to each side of the seed furrow and one third directly into the seed furrow. Make only one application per year.

##### CUCUMBERS:

Apply 9 to 18 mL of RIDOMIL 240EC per 100 m of row as a 18 cm band, centred over the row. Apply immediately after seeding or just before transplanting. RIDOMIL 240EC should be incorporated mechanically in the top 5 cm of soil before transplanting, or

moved into the seed zone shortly after seedling with 15-25 mm of rainfall or irrigation. Use the high rate when disease pressure is high. Apply in a minimum of 200 L water per hectare. Apply RIDOMIL 240EC to cucumbers only once per year. Apply by ground application equipment only.

RIDOMIL 240EC must only be applied as a spray to the soil surface. Do not use RIDOMIL 240EC for disease control in greenhouse crops. Do not apply over the top of transplants, as a drench, or dip transplants in solutions containing RIDOMIL 240EC.

(R)RIDOMIL is a registered trademark of Novartis Crop Protection Inc.

03-DEC-1997

RIDOMIL(R) 240EC

SUPPLEMENTAL LABEL FOR PRE-EMERGENT APPLICATION FOR THE CONTROL OF DAMPING-OFF AND PHYTOPHTHORA ROOT ROT IN GINSENG

FUNGICIDE

AGRICULTURAL

Emulsifiable Concentrate for pre-emergent application for the control of Damping-Off and Phytophthora Root Rot in Ginseng

GUARANTEE:

metalaxyl 240 g/L

READ THE LABEL AND PAMPHLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation of spray mist. Avoid contact with skin and eyes. Avoid contamination of food and feed and domestic or irrigation water supplies, lakes, streams and ponds.

REGISTRATION NO.: 17,274  
PEST CONTROL PRODUCTS ACT

CAUTION POISON

Ciba-Geigy Canada Ltd.  
Crop Protection Division  
6860 Century Avenue  
Mississauga, ON L5N 2W5

SUPPLEMENTAL LABELLING

#### FIRST AID:

In case of eye contact, flush with plenty of water for 15 minutes and get medical attention or contact a poison control centre. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, obtain medical attention or contact a poison control centre. If swallowed, give water or milk if conscious and get medical attention; do not induce vomiting. If inhaled, move to fresh air; if not breathing, give artificial respiration and get medical attention or contact a poison control centre.

#### TOXICOLOGICAL INFORMATION:

This product contains a petroleum solvent. If swallowed, lavage stomach. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

#### PRECAUTIONS:

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Change clothing after use. Wash with soap and water after use. Avoid application when weather conditions favour drift from treated areas. Do not eat, drink or smoke while mixing or during application. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or domestic purposes by cleaning of equipment or disposal of wastes. In order to minimize risk to the environment from the use of this product do not use in coarse textured gravelly soils, soils with less than 2% organic matter, or in areas where the water table may be high.

#### DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-267-6351

#### NOTICE TO BUYER/USER:

The DIRECTIONS FOR USE for this product for pre-emergent application to control Damping-Off and Phytophthora Root Rot in ginseng were developed by persons other than Ciba-Geigy Canada

Ltd. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Ciba-Geigy Canada Ltd. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used in pre-emergent application to control Damping-Off and Phytophthora Root Rot in ginseng.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Ciba-Geigy Canada Ltd. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the use for pre-emergent application to control Damping-Off and Phytophthora Root Rot in ginseng.

#### DIRECTIONS FOR USE: GINSENG

For the control of Damping-Off in the seedling year apply 1.3 L/ha just prior to emergence of the seedlings. For the control of Phytophthora Root Rot in subsequent years apply 1.3 L/ha as a soil broadcast application in the spring prior to the emergence of the ginseng. Apply in a minimum of 2500 L of water per hectare.

NOTE: For control of Root Rot during the growing season, DO NOT USE RIDOMIL 240EC. Instead, make up to two applications of RIDOMIL 2G following the directions on the RIDOMIL 2G label. Do not apply any product containing metalaxyl within 9 days prior to harvesting ginseng. Do not make more than 3 applications per year of any product containing metalaxyl.

#### GENERAL INFORMATION:

RIDOMIL (R) 240EC is a systemic fungicide for pre-emergent application only to control Damping-Off and Phytophthora Root Rot in ginseng. RIDOMIL 240EC is readily absorbed through the roots of plants providing protection against attack from these diseases by working from inside the plants under all weather conditions. RIDOMIL 240EC must be applied in the spring just prior to the emergence of the ginseng. **DO NOT apply RIDOMIL 240EC to emerged foliage.** Two additional applications of RIDOMIL 2G may be made during the growing season following directions on the RIDOMIL 2G label.

#### USE LIMITATIONS:

Experience has shown that strains of fungus resistant to metalaxyl may develop. Failure to control the disease will result in crop damage and/or yield losses. Since the occurrence of the resistance cannot be foreseen, CIBA-GEIGY Canada Ltd. accepts no responsibility for any loss of, or damage to, crops resulting from the failure of RIDOMIL 240EC to control the resistant fungus strains.

MIXING AND SPRAYING INSTRUCTIONS:

1. Fill spray tank  $\frac{1}{2}$  to  $\frac{3}{4}$  full with water.
2. With agitation system engaged, add the required amount of RIDOMIL 240EC and then continue filling the tank with water.
3. Maintain sufficient agitation during the mixing and spraying operation.
4. Sprayer equipment should be thoroughly flushed with clean water and drained before and after use of RIDOMIL 240EC.

NOTE: Do not let tank contents stand for long periods of time without agitation. If spraying is interrupted, thoroughly re-agitate before application. RIDOMIL 240EC SPRAY SOLUTION MUST NOT BE STORED OVERNIGHT.

Sprayer Information:

Use nozzle screens not finer than 50 mesh size. Keep by-pass line on or near bottom of tank to minimize foaming.

Spray pressure - 200 to 300 kPa.

Spray volume per hectare - 200 to 300 litres of water.

COMPATIBILITY:

RIDOMIL 240EC SHOULD NOT BE TANK-MIXED WITH ANY NEMATOCIDE, INSECTICIDE, HERBICIDE, FUNGICIDE, OR FERTILIZER.

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