

Container Label

GROUP	40	FUNGICIDE
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FORUM® FUNGICIDE

Fungicide for use on brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes and greenhouse and outdoor ornamentals

DO NOT apply on greenhouse cut flowers or vegetables

AGRICULTURAL

SUSPENSION CONCENTRATE

ACTIVE INGREDIENT: Dimethomorph ..... 500 g/L

REGISTRATION NO. 32026

PEST CONTROL PRODUCTS ACT

Contains 1,2-benzisothiazolin-3-one at 0.0212%, as a preservative

NET CONTENTS: 0.1 L – Bulk



**WARNING**

**POISON**

KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL BEFORE USING THIS PRODUCT

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT,  
1-800-454-2673

BASF Canada Inc.  
5025 Creebank Road  
Building A, 2nd Floor  
Mississauga, ON L4W 0B6  
1-877-371-2273

FORUM is a registered trade-mark of BASF Agro B.V. Arnhem (NL), Zweigniederlassung Freienbach, used under license by BASF Canada Inc.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. During all activities, wear long pants, long-sleeved shirt, chemical-resistant gloves and boots. During mixing, loading, clean-up and repair activities, wear coveralls and safety goggles or a face shield. Wear coveralls when applying by handheld equipment. Gloves are not required during application within a closed cab and/or cockpit.
3. Wash hands before eating, drinking, smoking or using the toilet. Change out of work clothes and take a bath or shower after handling or spraying the product. Launder protective clothing before re-use.
4. **DO NOT** enter or allow worker entry into treated areas during the restricted entry intervals (REIs) specified in the Application Rate Tables.
5. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.
6. This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
7. Clean spray equipment thoroughly after use.

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **TOXICOLOGICAL INFORMATION**

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. There is no specific antidote. Treat symptomatically.

## **STORAGE**

To prevent contamination, store this product away from food or feed.

Store under cool and dry conditions in secure, well-ventilated buildings, away from foodstuffs and animal feed and out of reach of children.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction 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 disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Booklet

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3. Wash hands before eating, drinking, smoking or using the toilet. Change out of work clothes and take a bath or shower after handling or spraying the product. Launder protective clothing before re-use.
4. **DO NOT** enter or allow worker entry into treated areas during the restricted entry intervals (REIs) specified in the Application Rate Tables..
5. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.
6. This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
7. Clean spray equipment thoroughly after use.

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

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**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

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## **TOXICOLOGICAL INFORMATION**

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. There is no specific antidote. Treat symptomatically.

## **STORAGE**

To prevent contamination, store this product away from food or feed.

Store under cool and dry conditions in secure, well-ventilated buildings, away from foodstuffs and animal feed and out of reach of children.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction 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.
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## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

## **DIRECTIONS FOR USE**

**FORUM Fungicide** has protectant, systemic and anti-sporulant activity against labeled diseases on labeled crops.

Maximum benefit of **FORUM Fungicide** from foliar application requires thorough coverage of plant.

DO NOT apply to plants grown for or marketed as “cut flowers”.

DO NOT use on residential, commercial, or industrial landscapes.

DO NOT apply using handheld mist blower/airblast or handheld fogging equipment.

Do NOT plant a new crop in treated area within 30 days of last application.

DO NOT apply to greenhouse vegetables.

When using a tank mix partner, observe all directions for use, crops/sites, use rates, precautions, PPE and limitations which appear on the tank mix product label. The most restrictive label precautions and limitations must be followed.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

## **ENVIRONMENTAL PRECAUTIONS**

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## Potatoes Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Application per Season
Potatoes	Late blight Tuber blight* ( <i>Phytophthora infestans</i> )	450 mL product/hectare (225 g a.i./hectare) in a tank mix with POLYRAM® DF <b>OR</b> Dithane™ DG Rainshield™ <b>OR</b> Bravo® 500, at the recommended product label rate	4	3

\*When used according to label recommendations, **FORUM Fungicide** also reduces tuber blight. **FORUM Fungicide** does not control early blight disease. In order to reduce the risk of the development of fungicide resistance **FORUM Fungicide** must be used as a tank-mix with other fungicides.

### Application Rate

**DO NOT apply FORUM Fungicide alone.** **FORUM Fungicide** must be tank-mixed with one of the following fungicides: POLYRAM DF, Dithane DG Rainshield or Bravo 500. Apply **FORUM Fungicide** at 450 mL product/hectare (225 g ai/hectare), in a tank mix with POLYRAM DF or Dithane DG Rainshield or Bravo 500, at the recommended product label rate.

Refer to the respective tank-mix partner labeling for additional recommendations, restrictions and precautions. Follow the most restrictive application directions for each of the tank mix partners with respect to the maximum number of applications, application timing and PHI.

Water volume will vary depending on the amount of plant growth. Use sufficient water to obtain adequate spray coverage. Spray volumes can range from 50 - 100 L/ha for concentrate sprays to 225 - 1600 L/ha for dilute sprays.

### Timing of Application

To protect crops against late blight, use **FORUM Fungicide** as a protectant. Make the first application when disease threatens or when first visible signs of disease occur within the field or nearby. Apply every 5 - 7 days under high disease pressure or every 7 - 10 days under low disease pressure. It is recommended to apply **FORUM Fungicide** in alternation with a fungicide having a different mode of action. Under high level of late blight infection, apply **FORUM Fungicide** after top kill to reduce tuber blight.

**DO NOT** plant a new crop in the treated area within 30 days of the last application.

A minimum interval of 5 days between applications is required.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.



### Greenhouse Ornamentals Application Rate Table

Crop	Disease	Application Rate (mL/100 L) Maximum Rate per Hectare per Season
<p><u>Greenhouse ornamentals including:</u> Azalea, begonia, chrysanthemum, cordyline, dianthus, dieffenbachia, ficus, geranium, gerbera, iberus (candytuft), impatiens, lisianthus, pansy, periwinkle, Persian violet, phlox primula, rose (hybrid tea, miniature), spathiphyllum, stock and verbena, viola</p> <p><b>FORUM Fungicide</b> may be applied to the following crops: African violet, dusty miller, sweet alyssum and snapdragon may show slight stunting or phytotoxic symptoms after repeat applications</p>	<p>Downy mildew caused by <i>Peronospora parasitica</i>, <i>P. Violae</i>, <i>P. sparsa</i>, <i>P. Antirrhini</i> and <i>P. phlogina</i></p>	<p>48 mL/ 100 litres</p>
<p>Apply to drip, ensuring complete coverage of flowers, foliage and stems. Use a full coverage spray applied on 7 - 14 day interval throughout the production cycle. <b>FORUM Fungicide MUST BE</b> applied preventatively, before disease symptoms are evident, to be effective.</p> <p><b>DO NOT</b> apply more than 4 applications per season.</p> <p><b>DO NOT</b> apply more than 2 consecutive sprays before alternating with a fungicide with an alternative mode of action.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p> <p><b>DO NOT</b> apply on greenhouse cut flowers.</p> <p><b>DO NOT</b> allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.</p> <p>Due to the large number of species and varieties/cultivars users should conduct small scale tests under local conditions prior to wide-scale use.</p>		

**Outdoor Grown Ornamentals, Herbaceous Perennial and Annual Plants  
Application Rate Table**

Crop	Disease	Application Rate (mL/100 L)
Outdoor grown ornamentals, herbaceous perennial and annual plants	Downy mildew caused by <i>Peronospora parasitica</i> , <i>P. Violae</i> , <i>P. sparsa</i> , <i>P. Antirrhini</i> and <i>P. phlogina</i>	48 mL/100 L (not to exceed 450 mL/ha <b>OR</b> 225 g a.i./ha)
<p>Apply a foliar application of <b>FORUM Fungicide</b> at a rate of 450 mL product/ha in a minimum water volume of 200 L/ha, sprayed to run-off. Apply a maximum of 4 applications per crop per season at 7 to 14 day intervals. Apply no more than 2 consecutive sprays before alternating with a fungicide with a different mode of action registered to control downy mildew. <b>FORUM Fungicide</b> must be applied preventatively, before disease symptoms are evident, to be effective. Make first application when conditions are favourable for disease development.</p> <p><b>Note:</b> Not all species have been tested for phytotoxicity. It is recommended that the user test a small sample before applying to the entire groups.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p>		

**Outdoor, Container and Field Grown Ornamental Plants (including conifers) in Nurseries and Landscape Plantings Application Rate Table**

Crop	Disease	Application Rate (mL/100 L)
Outdoor, container and field grown ornamental plants (including conifers) in nurseries and landscape plantings	Suppression of sudden oak death* ( <i>Phytophthora ramorum</i> )	48 mL/100 L (not to exceed 450 mL/ha <b>OR</b> 225 g a.i./ha)
<p>Apply a foliar application of <b>FORUM Fungicide</b> at a rate of 450 mL product/ha in a minimum water volume of 200 L/ha, sprayed to run-off. Apply a maximum of 4 applications per crop per season at 10 to 14 day intervals. Apply no more than 2 consecutive sprays before alternating with a fungicide with a different mode of action registered to suppress sudden oak death. <b>FORUM Fungicide</b> must be applied preventatively, before disease symptoms are evident, to be effective. Make first application when conditions are favourable for disease development.</p> <p>*For suppression of sudden oak death caused by <i>Phytophthora ramorum</i> on those ornamentals deemed susceptible to this disease by the Canadian Food Inspection Agency (CFIA). For a complete list of the ornamental species, refer to the publication "List of Genera Regulated for <i>Phytophthora ramorum</i> (Sudden Oak Death)", which is updated regularly: <a href="http://www.inspection.gc.ca/english/plaveg/protect/dir/sodspe.shtml">http://www.inspection.gc.ca/english/plaveg/protect/dir/sodspe.shtml</a>.</p> <p><b>Note:</b> Not all species have been tested for phytotoxicity. It is recommended that the user test a small sample before applying to the entire groups.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p>		

### Brassica Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<u>Brassica vegetables:</u> Broccoli Broccoli, Chinese (gai lon) Brussel sprouts Cabbage Cabbage, Chinese (napa) Cabbage, Chinese mustard (gai choy) Cauliflower Cavalo broccoli Kohlrabi	Suppression only - Downy mildew ( <i>Peronospora parasitica</i> )	450 mL product/ hectare	7	5

**FORUM Fungicide** must be applied as a tank mix with another fungicide active against downy mildew.

Begin applications when conditions favour disease development. Continue applications on a 7-day spray schedule as needed until weather conditions favouring infection and sporulation decrease.

DO NOT use less than 200 liters of water per hectare for ground applications and 20 litres per hectare for aerial applications.

Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.

#### Resistance Management

Do not make more than two sequential applications of **FORUM Fungicide** before alternating to another effective fungicide with a mode of action different from **FORUM Fungicide** for at least one application.

Ground application: Do not handle more than 81 L of product per day.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

### Bulb Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<u>Bulb vegetables:</u> Garlic Garlic, great headed Leek Onion, dry bulb Onion, green Onion, Welch Shallot	Suppression of Downy mildew ( <i>Peronospora destructor</i> )	450 mL product/hectare	0	5
<p><b>FORUM Fungicide</b> must be applied as a tank mix with another fungicide active against downy mildew. Begin applications when conditions favour disease development. Continue applications on a 5 - 7 day spray schedule as needed until weather conditions favouring infection and sporulation decrease.</p> <p>DO NOT use less than 200 litres of water per hectare for ground applications and 20 litres per hectare for aerial applications.</p> <p>Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.</p> <p><b>Resistance Management</b>                      Do not make more than two sequential applications of <b>FORUM Fungicide</b> before alternating to another effective fungicide with a mode of action different from <b>FORUM Fungicide</b> for at least one application.</p> <p>Ground application: Do not handle more than 81 L of product per day.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p>				

**Cucurbit Vegetables Application Rate Table (Ground and Aerial Application)**

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<u>Cucurbit vegetables - includes all types and hybrids of:</u> Cantaloupe Chinese waxgourd Citron melon Cucumber Edible gourds Gherkin Muskmelon Pumpkin Summer squash Watermelon Winter squash Zucchini <i>Momordica</i> spp. (such as balsam apple, balsam pear, bitter melon, Chinese cucumber)	Downy mildew ( <i>Pseudoperonospora cubensis</i> ) - Suppression only	450 mL product/ hectare	2	5

**FORUM Fungicide** must be applied as a tank mix with another fungicide active against downy mildew. Begin applications prior to the onset of disease infection. Continue applications on a 5 - 10 day spray schedule. Use shorter spray intervals when disease pressure is higher.

DO NOT use less than 200 litres of water per hectare for ground applications and 20 litres per hectare for aerial applications.

Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.

**Resistance Management**  
 Do not make more than two sequential applications of **FORUM Fungicide** before alternating to another effective fungicide with a mode of action different from **FORUM Fungicide** for at least one application.

Ground application: Do not handle more than 81 L of product per day.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

## Fruiting Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<u>Fruiting vegetables group:</u> Tomato Eggplant Ground cherry ( <i>Physalis spp.</i> ) Pepper (all varieties) Pepino Tomatillo	Late blight ( <i>Phytophthora infestans</i> )	450 mL product/ hectare	0	5
<p><b>FORUM Fungicide</b> must be applied as a tank mix with another fungicide active against late blight.</p> <p>Begin applications when plants are 46 inches high and prior to the onset of disease infection. Apply on a 5 - 10 day spray schedule. Prior to the onset of conditions favouring infection, apply every 7 - 10 days. When environmental conditions have been conducive for diseases, or when disease has been detected within the field or nearby, a 5 - 7 day schedule is recommended.</p> <p>Ground application: Do not handle more than 81 L of product per day.</p>				
Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
Pepper (all varieties)	Phytophthora blight ( <i>Phytophthora capsici</i> ) - suppression	450 mL product/ hectare	0	2
<p>Begin applications prior to the onset of disease infection. Applications should be made on a 5 - 7 day spray schedule under higher disease pressure and on a 7 - 10 day spray schedule under low to moderate disease pressure.</p> <p>DO NOT make more than two applications per season. DO NOT exceed 900 mL per hectare per growing season.</p> <p>DO NOT APPLY BY AIR.</p>				
<p><b>All Crops</b>                      DO NOT use less than 200 litres of water per hectare for ground applications and 20 litres per hectare for aerial applications.</p> <p>Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.</p> <p><b>Resistance Management</b>                      Do not make more than two sequential applications of <b>FORUM Fungicide</b> before alternating to another effective fungicide with a mode of action different from <b>FORUM Fungicide</b> for at least one application.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p>				

### Grapes Application Rate Table (Airblast Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
Grapes	Downy mildew ( <i>Plasmopara viticola</i> )	450 mL product/ hectare	14	4

**FORUM Fungicide** must be applied as a tank mix with another fungicide active against downy mildew.

In order to reduce the risk of the development of fungicide resistance **FORUM Fungicide** must be used in rotation with other fungicides active against downy mildew.

Begin applications of **FORUM Fungicide** prior to disease development and continue on a 7 - 10 day interval. Use the shorter interval when disease pressure is high.

DO NOT use less than 200 litres of water per hectare.

Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.

#### Resistance Management

Do not make more than two sequential applications of **FORUM Fungicide** before alternating to another effective fungicide with a mode of action different from **FORUM Fungicide** for at least one application.

**DO NOT** enter or allow worker entry into treated areas for cane turning or girdling during the restricted entry interval (REI) of 8 days. For all other activities in grapes, **DO NOT** enter or allow worker entry into treated areas during the REI of 12 hours.

### Hops Application Rate Table (Airblast)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
Hops	Suppression of downy mildew ( <i>Pseudoperonospora humuli</i> )	450 mL product/ hectare	7	3

**FORUM Fungicide** must be applied as a tank mix with another fungicide active against downy mildew.

Use **FORUM Fungicide** as a preventive foliar spray before infection occurs. The application interval for **FORUM Fungicide** is 10 days.

DO NOT use less than 200 litres of water per hectare.

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<p>Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.</p> <p><b>Resistance Management</b> Do not make more than two sequential applications of <b>FORUM Fungicide</b> before alternating to another effective fungicide with a mode of action different from <b>FORUM Fungicide</b> for at least one application.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas for harvesting (mechanically-assisted) during the restricted entry interval (REI) of 7 days. For all other activities in hops, <b>DO NOT</b> enter or allow worker entry into treated areas during the REI of 12 hours.</p>				

### Leafy Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
<u>Leafy vegetables:</u> Lettuce (head and leaf)	Suppression of Downy mildew ( <i>Bremia/actuae</i> ) ( <i>Peronospora spp.</i> )	450 mL product/ hectare	0	5
<p><b>FORUM Fungicide</b> must be applied as a tank mix with another fungicide active against downy mildew. Begin applications prior to the onset of disease infection. Continue applications on a 5 - 10 day spray schedule. Use shorter spray intervals when disease pressure is higher.</p> <p>DO NOT use less than 200 litres of water per hectare for ground applications and 20 litres per hectare for aerial applications.</p> <p>Consult local advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.</p> <p><b>Resistance Management</b> Do not make more than two sequential applications of <b>FORUM Fungicide</b> before alternating to another effective fungicide with a mode of action different from <b>FORUM Fungicide</b> for at least one application.</p> <p>Ground application: Do not handle more than 81 L of product per day.</p> <p><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</p>				



## Ginseng Application Rate Table

### NOTE TO USER

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than BASF Canada and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. BASF Canada itself makes no representation or warranty with respect to performance (efficacy) claims for this product when used on crops listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerances arising, and agree to hold BASF Canada harmless from any claims based on efficacy in connection with the uses described below.

Crop	Disease	Application Rate (mL/ha)	PHI (Days)	Maximum Number of Applications per Season
Ginseng	Phytophthora blight ( <i>Phytophthora cactorum</i> )	450 mL product/ hectare	30	3

**FORUM Fungicide** will provide suppression of Phytophthora blight on ginseng when used preventively in combination with other fungicides effective against this pathogen.

In order to reduce the risk of the development of fungicide resistance **FORUM Fungicide MUST** be used as a tank-mix with Dithane™ DG Rainshield™ NT Fungicide, Manzate Pro-Stick™ Fungicide or Penncozeb® 75DF Raincoat™ Fungicide at 3.3 kg mancozeb/ha. Refer to the respective tank-mix partner label for additional recommendations, restrictions and precautions. Follow the most restrictive application directions for each of the tank mix partners with respect to the maximum number of applications, application timing and PHI.

Use 2000 L/ha water and ensure thorough coverage.

DO NOT apply more than 3 applications per season.

#### Timing of Application

To protect crops against Phytophthora blight, use **FORUM Fungicide** as a protectant. Make the first application when conditions are ideal for disease to occur within the field or nearby but before symptoms are present in the field. Apply every 5 - 7 days under high disease pressure or every 7 - 10 days under low disease pressure.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

## **FIELD SPRAYER APPLICATION**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

## **AIRBLAST APPLICATION**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

## **AERIAL APPLICATION**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Prior to aerial application, check aircraft for uniformity of spray pattern, spray swath width and output. Spray volumes of 50 litres/ha are generally optimum. If foliage is dense, use an output that will ensure optimum fungicide penetration. Spray swaths should be marked using flaggers who are in completely enclosed vehicles, by counting rows or by some other marking device. **DO NOT** apply if rain is likely within 2 to 3 hours of spraying and apply to dry foliage.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

### **Aerial Use Precautions**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

### **Aerial Operator Precautions**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-877-371-BASF (2273) or obtain technical advice from the distributor or your provincial agricultural representative.

## **BUFFER ZONES**

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crops		Buffer Zones (metres) Required for the Protection of Freshwater Habitat of Depths:	
			< 1 m	> 1 m
Field sprayer	Cucurbit vegetables, leafy vegetables, fruiting vegetables, bulb vegetables, brassica leafy vegetables, potatoes, ginseng, outdoor grown ornamentals (including herbaceous perennial and annual plants), container and field grown ornamental plants (including conifers) in nurseries and landscape plantings		1	0
Airblast	Grapes	Early growth stage	10	0
		Late growth stage	4	0
	Hops	Early growth stage	5	0
		Late growth stage	3	0
Aerial	Brassica vegetables, bulb vegetables, cucurbit vegetables, leafy vegetables, fruiting vegetables group	Fixed <b>OR</b> rotary wing	10	0
	Potatoes	Fixed <b>OR</b> rotary wing	5	0

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

It is known that plant diseases can develop resistance when exposed to one type of product or even products of similar chemistry. Good management practices will minimize the risk of resistance development. Use cultural practices to minimize the sources of disease as well as early preventive applications of fungicides. Consult your local extension services for disease outbreak forecasts and additional integrated pest management recommendations for your area.

For resistance management, please note that **FORUM Fungicide** contains a Group 40 fungicide. Any fungal population may contain individuals naturally resistant to **FORUM Fungicide**. The resistant individuals may dominate the fungal population if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for

individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Avoid application of more than two consecutive sprays of **FORUM Fungicide** or other fungicides in the same group in a season.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Limit Group 40 fungicide applications to 50% of the total number of intended applications.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact BASF at 1-877-371-2273.

## **MIXING**

1. Fill the spray tank one-half to three-quarters full with water.
2. Using a calibrated measuring device, add the required amount of **FORUM Fungicide** while agitating the spray solution.
3. Using a separate calibrated mixing device, add the required amount of mancozeb, penncozeb, metiram or chlorothalonil to the tank.
4. Fill the remainder of the tank with water.

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