

2013-2728
2014-01-13

GROUP	40	FUNGICIDE
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ACROBAT® 50 WP FUNGICIDE

Fungicide for use on brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes and greenhouse ornamentals.
DO NOT apply on greenhouse cut flowers or vegetables.

AGRICULTURAL

WETTABLE POWDER

GUARANTEE: Dimethomorph 50%

REGISTRATION NO. 27700

PEST CONTROL PRODUCTS ACT

POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1.82 kg

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND BOOKLET 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.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

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PRECAUTIONS

1. KEEP OUT OF REACH OF CHILDREN.

2. Potential skin sensitizer.
3. During all activities, workers must wear long pants, long-sleeved shirt, chemical-resistant gloves and boots. During mixing, loading, clean-up and repair activities, workers must also wear coveralls and safety goggles or a face shield. During mixing and loading workers must also wear a respirator with a NIOSH/MSHA/BHSE approved vapour removing cartridge with a pre-filter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister for pesticides. If using low-pressure handheld equipment, mixer, loader, and applicator must also wear coveralls and chemical resistant gloves.
4. 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.
5. For potatoes, outdoor ornamentals and fruiting vegetables, do not enter treated areas within 12 hours after application. For all other crops, see the specific Application Rate Table for the restricted entry interval.
6. 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.
7. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

FIRST AID

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. 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

There is no specific antidote. Treat symptomatically.

STORAGE

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. The user assumes the risk to persons or property that arises from any such use of this product.

DIRECTIONS FOR USE

ACROBAT 50 WP Fungicide has excellent protectant, systemic and anti-sporulant activity against labeled diseases on labeled crops.

Maximum benefit of **ACROBAT 50 WP 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 use high pressure handheld equipment to apply **ACROBAT 50 WP Fungicide**.

DO NOT use backpack sprayers to apply **ACROBAT 50 WP Fungicide**.

Do NOT plant a new crop in treated area within 120 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 HAZARDS

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

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

*When used according to label recommendations, **ACROBAT 50 WP Fungicide** also reduces tuber blight. **ACROBAT 50 WP Fungicide** does not control early blight disease. In order to reduce the risk of the development of fungicide resistance **ACROBAT 50 WP Fungicide** must be used as a tank-mix with other fungicides.

Application Rate

DO NOT apply ACROBAT 50 WP Fungicide alone. **ACROBAT 50 WP Fungicide** must be tank-mixed with one of the following fungicides: POLYRAM DF, Dithane DG Rainshield or Bravo 500. Apply **ACROBAT 50 WP Fungicide** at 450 g product/hectare (225 g a.i./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 **ACROBAT 50 WP 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 **ACROBAT 50 WP Fungicide** in alternation with a fungicide having a different mode of action. Under high level of late blight infection, apply **ACROBAT 50 WP Fungicide** after topkill to reduce tuber blight.

DO NOT plant a new crop in the treated area within 120 days of the last application.

A minimum interval of 5 days between applications is required.

Greenhouse Ornamentals Application Rate Table

Crop	Disease	Application Rate (g/100 L) Maximum Rate per Hectare per Season
<p>Greenhouse ornamentals including: 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>ACROBAT 50 WP Fungicide 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 grams/ 100 litres</p>
<p>Apply to drip, ensuring complete coverage of flow ers, foliage and stems. Use a full coverage spray applied on 7-14 day interval th roughout the production cycle. ACROBAT 50 WP Fungicide MUST BE applied preventatively, before disease symptoms are evident, to be effective.</p> <p>DO NOT apply more than 4 applications per season.</p> <p>DO NOT apply more than 2 consecutive sprays before alternating with a fungicide with an alternative mode of action.</p> <p>DO NOT apply on greenhouse cut flowers.</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 (g/100 L)
<p>Outdoor grown ornamentals, herbaceous perennial and annual plants</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 g/100 L (not to exceed 450 g/ha OR 225 g a.i./ha)</p>

Crop	Disease	Application Rate (g/100 L)
<p>Apply a foliar application of ACROBAT 50 WP Fungicide at a rate of 450 g 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. ACROBAT 50 WP Fungicide must be applied preventatively, before disease symptoms are evident, to be effective. Make first application when conditions are favourable for disease development.</p> <p>Note: 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>		

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

Crop	Disease	Application Rate (g/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 g/100 L (not to exceed 450 g/ha OR 225 g a.i./ha)
<p>Apply a foliar application of ACROBAT 50 WP Fungicide at a rate of 450 g 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. ACROBAT 50 WP Fungicide 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: http://www.inspection.gc.ca/english/plaveg/protect/dir/sodspe.shtml.</p> <p>Note: 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>		

Brassica Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (g/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 g product/ hectare	7	5

ACROBAT 50 WP 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 **ACROBAT 50 WP Fungicide** before alternating to another effective fungicide with a mode of action different from **ACROBAT 50 WP Fungicide** for at least one application.

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

Do not enter treated areas for hand harvesting or irrigation within 7 days after application, or for scouting within 5 days after application. For all other activities in brassica vegetables, do not enter treated areas within 12 hours after application.

Bulb Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (g/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 g product/ hectare	0	5

ACROBAT 50 WP 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 5-7 day spray schedule as needed until weather conditions favouring infection and sporulation decrease.

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 **ACROBAT 50 WP Fungicide** before alternating to another effective fungicide with a mode of action different from **ACROBAT 50 WP Fungicide** for at least one application.

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

Do not enter treated areas for hand harvesting in green onions or thinning in all other crops within 2 days after application. For all other activities in bulb vegetables, do not enter treated areas within 12 hours after application.

Cucurbit Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (g/ha)	PHI (Days)	Maximum Number of Applications per Season
<p>Cucurbit vegetables - includes all types and hybrids of:</p> <p>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)</p>	<p>Downy mildew (<i>Pseudoperonospora cubensis</i>) - Suppression only</p>	<p>450 g product/ hectare</p>	<p>2</p>	<p>5</p>

ACROBAT 50 WP 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 **ACROBAT 50 WP Fungicide** before alternating to another effective fungicide with a mode of action different from **ACROBAT 50 WP Fungicide** for at least one application.

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

Do not enter treated areas for hand harvesting, pruning or thinning within 2 days after application. For all other activities in cucurbit vegetables, do not enter treated areas within 12 hours after application.

Fruiting Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (g/ha)	PHI (Days)	Maximum Number of Applications per Season
Fruiting vegetables group: Tomato Eggplant Ground cherry (<i>Physalis spp.</i>) Pepper (all varieties) Pepino Tomatillo	Late blight (<i>Phytophthora infestans</i>)	450 g product/ hectare	0	5
<p>ACROBAT 50 WP Fungicide 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 kg of product per day.</p>				
Crop	Disease	Application Rate (g/ha)	PHI (Days)	Maximum Number of Applications per Season
Pepper (all varieties)	Phytophthora blight (<i>Phytophthora capsici</i>) - suppression	450 g 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 g per hectare per growing season.</p> <p>DO NOT APPLY BY AIR.</p>				
<p>All Crops 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>Resistance Management Do not make more than two sequential applications of ACROBAT 50 WP Fungicide before alternating to another effective fungicide with a mode of action different from ACROBAT 50 WP Fungicide for at least one application.</p>				

Grapes Application Rate Table (Airblast Application)

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

ACROBAT 50 WP 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 **ACROBAT 50 WP Fungicide** must be used in rotation with other fungicides active against downy mildew.

Begin applications of **ACROBAT 50 WP 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 **ACROBAT 50 WP Fungicide** before alternating to another effective fungicide with a mode of action different from **ACROBAT 50 WP Fungicide** for at least one application.

Do not enter treated areas for cane turning or girdling within 19 days after application, or for training, thinning or hand pruning within 12 days after application. For all other activities in grapes, do not enter treated areas within 12 hours after application.

Hops Application Rate Table (Airblast)

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

ACROBAT 50 WP Fungicide must be applied as a tank mix with another fungicide active against downy mildew.

Use **ACROBAT 50 WP Fungicide** as a preventive foliar spray before infection occurs. The application interval for **ACROBAT 50 WP Fungicide** is 10 days.

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

Crop	Disease	Application Rate (g/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>Resistance Management Do not make more than two sequential applications of ACROBAT 50 WP Fungicide before alternating to another effective fungicide with a mode of action different from ACROBAT 50 WP Fungicide for at least one application.</p> <p>Do not enter treated areas for hand harvesting, training or stripping within 18 days after application. For all other activities in hops, do not enter treated areas within 12 hours after application.</p>				

Leafy Vegetables Application Rate Table (Ground and Aerial Application)

Crop	Disease	Application Rate (g/ha)	PHI (Days)	Maximum Number of Applications per Season
Leafy vegetables: Lettuce (head and leaf)	Suppression of Downy mildew (<i>Bremia/actuae</i>) (<i>Peronospora spp.</i>)	450 g product/ hectare	0	5
<p>ACROBAT 50 WP Fungicide must be applied as a tank mix with another fungicide active against downy mildew.</p> <p>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>Resistance Management Do not make more than two sequential applications of ACROBAT 50 WP Fungicide before alternating to another effective fungicide with a mode of action different from ACROBAT 50 WP Fungicide for at least one application.</p> <p>Ground application: Do not handle more than 81 kg of product per day.</p> <p>Do not enter treated areas for hand harvesting within 2 days after application. For all other activities in leafy vegetables, do not enter treated areas within 12 hours after application.</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 (g/ha)	PHI (Days)	Maximum Number of Applications per Season
Ginseng	Phytophthora Blight (<i>Phytophthora cactorum</i>)	450 g product/ hectare	30	3

ACROBAT® 50 WP 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 ACROBAT 50 WP 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 ACROBAT 50 WP 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) 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 (MANITOBA, SASKATCHEWAN AND ALBERTA ONLY)

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) medium classification. To reduce drift caused by turbulent wingtip vortices, the 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) and estuarine/marine habitats.

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held sprayer and spot treatment.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Brassica vegetables, bulb and cucurbit vegetables, leafy and fruiting vegetables, peppers, potatoes, outdoor ornamentals, ginseng		1	0	1	0
Airblast	Grapes, hops	Early OR late growth stage	1	0	1	0
Aerial	Brassica vegetables, bulb and cucurbit vegetables, leafy and fruiting vegetables and potatoes	Fixed OR rotary wing	1	0	1	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.

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 **ACROBAT 50 WP Fungicide** contains a Group 40 fungicide. Any fungal population may contain individuals naturally resistant to **ACROBAT 50 WP 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 **ACROBAT 50 WP 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 IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- 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 **ACROBAT 50 WP 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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GROUP	40	FUNGICIDE
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ACROBAT® 50 WP FUNGICIDE

Fungicide for use on brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes and greenhouse ornamentals.
DO NOT apply on greenhouse cut flowers or vegetables.

AGRICULTURAL

WETTABLE POWDER

GUARANTEE: Dimethomorph 50%

REGISTRATION NO. 27700

PEST CONTROL PRODUCTS ACT

POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1.82 kg

KEEP OUT OF REACH OF CHILDREN

READ THE BOOKLET AND 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.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

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PRECAUTIONS

1. KEEP OUT OF REACH OF CHILDREN.

2. Potential skin sensitizer.

3. During all activities, workers must wear long pants, long-sleeved shirt, chemical-resistant gloves and boots. During mixing, loading, clean-up and repair activities, workers must also wear coveralls and safety goggles or a face shield. During mixing and loading workers must also wear a respirator with a NIOSH/MSHA/BHSE approved vapour removing cartridge with a pre-filter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister for pesticides. If using low-pressure handheld equipment, mixer, loader, and applicator must also wear coveralls and chemical resistant gloves.

4. 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.

5. For potatoes, outdoor ornamentals and fruiting vegetables, do not enter treated areas within 12 hours after application. For all other crops, see the specific Application Rate Table for the restricted entry interval..

6. 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.

7. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

FIRST AID

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. 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

There is no specific antidote. Treat symptomatically.

STORAGE

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. The user assumes the risk to persons or property that arises from any such use of this product.