

GROUPS 7 12 FUNGICIDES

MIRAVIS® Prime Fungicide
ADEPIDYN® technology

FUNGICIDE

SUSPENSION CONCENTRATE

COMMERCIAL - AGRICULTURAL

For broad-spectrum disease control or suppression on listed crops.

ACTIVE INGREDIENTS:

Pydiflumetofen 150 g/L
Fludioxonil.....250 g/L

Contains 1,2-benzisothiazolin-3-one at 0.033% OR 1,2-benzisothiazolin-3-one at 0.033% and 2-bromo-2-nitropropane-1,3-diol at 0.03% OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0007%, 2-methyl-4-isothiazolin-3-one at 0.0002% and 2-bromo-2-nitropropane-1,3-diol at 0.03% as preservatives.

WARNING, CONTAINS THE ALLERGEN SULFITES

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO: **33207**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **0.5 L – 1000 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682

Label

1.0 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.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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 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.

3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Keep unused product in original container tightly closed, locked up and away from food and feed.

Restricted Entry Interval (REI): DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 1 day to perform girdling and turning of grapes. For all other postapplication activities, DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only to agricultural crops when the potential for drift to areas of human habitation or 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.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

All users should wash hands before eating, drinking, chewing gum, using tobacco, using the toilet or using a handheld device.

6.0 ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

Pydiflumetofen and fludioxonil are persistent and may carryover. It is recommended that this product not be used in areas treated with any products containing either pydiflumetofen or fludioxonil or both during the previous season.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of MIRAVIS® Prime Fungicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

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.

7.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from feed and foodstuffs, and out of the reach of children and animals. To prevent contamination store this product away from food or feed. If product freezes, allow to thaw and circulate prior to use.

8.0 DISPOSAL

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 cleanup of spills.

For returnable containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For refillable containers:

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For recyclable containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

ADEPIDYN® and MIRAVIS® are trademarks of a Syngenta Group Company.

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Pamphlet

Table of Contents

	<u>Section Number</u>
NOTICE TO USER	1.0
FIRST AID	2.0
TOXICOLOGICAL INFORMATION	3.0
PRECAUTIONS.....	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE)	5.0
ENVIRONMENTAL PRECAUTIONS	6.0
STORAGE	7.0
DISPOSAL	8.0
PRODUCT INFORMATION	9.0
General Use Precautions	9.1
DIRECTIONS FOR USE	10.0
Ground Application	10.1
Mixing Instructions	10.1.1
Spraying Instructions	10.1.2
Equipment Clean-Up.....	10.1.3
Airblast Application.....	10.2
Spraying Instructions	10.2.1
Buffer Zones	10.3
Rotational Crop Restrictions	10.4
CROP USE DIRECTIONS	11.0
Directions for Use in Leafy Greens	11.1
Directions for Use in Leaf Petiole Vegetables (Crop Group 22B)	11.2
Directions for Use in Bushberries (Crop Subgroup 13-07B)	11.3
Directions for Use in Small Fruit Vine Climbing.....	11.4
Directions for Use in Low Growing Berries (Crop Subgroup 13-07G, except Cranberry).....	11.5
MINOR USES	12.0
Directions for Use in Caneberries (Crop Subgroup 13-07A)	12.1
RESISTANCE MANAGEMENT RECOMMENDATIONS	13.0

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9.0 PRODUCT INFORMATION

MIRAVIS Prime Fungicide is a broad spectrum, preventative fungicide recommended for the control or suppression of many important plant diseases, formulated as a suspension concentrate (SC). Read all label directions before use. All applications must be made according to the use directions that follow.

9.1 General Use Precautions

DO NOT USE IN GREENHOUSES (ALONE OR IN TANK MIXTURES)

DO NOT apply by air.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

DO NOT apply using handheld mistblower/airblast or handheld fogging equipment.

10.0 DIRECTIONS FOR USE

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

control aquatic pests.

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

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

DO NOT APPLY THROUGH CHEMIGATION.

Follow recommendations provided by local disease monitoring services or provincial spray calendars regarding the appropriate application timing for protectant fungicides in your area. Cultural practices such as canopy management and removal of overwintered plant debris should be integrated with the use of fungicides to reduce disease incidence. Use the higher rate, and the shorter application interval under conditions of heavy infection pressure, on highly susceptible varieties, or when environmental conditions are favourable for disease development. DO NOT apply by air.

MIRAVIS Prime Fungicide treatments should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, plant residue management, crop rotation, and proper timing and placement of fertilizer and irrigation. Fungicide applications should begin prior to disease infection and continue throughout the season following a resistance management strategy (see **Resistance Management Recommendations**).

10.1 Ground Application

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 and Biological Engineers (ASABE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

10.1.1 Mixing Instructions

1. Ensure that the sprayer interior is clean, then fill the spray tank with $\frac{1}{2}$ the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
2. Add MIRAVIS Prime Fungicide and agitate to ensure complete mixing.
3. Finish filling the sprayer with water, maintaining good agitation.
4. After any break in spraying operations, agitate thoroughly before spraying again.
5. Spray the pesticide suspension the same day as mixing.
6. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- SC formulations may be inducted or batch mixed.

10.1.2 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 150 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Sprayer Agitation: Use a jet agitator or liquid sparge tube which recirculates 7-10% of the tank per minute. **DO NOT** use an air sparger.
3. Pump: Screens should be used to protect the pump and prevent clogging. Use 16 mesh or *coarser* screens on the suction side of the pump. **DO NOT** place a screen in the recirculation line. Use 50 mesh or *coarser* screens between the pump and boom unless directed otherwise by the sprayer manufacturer.
4. Spray Nozzles: 80° or 110° drift reducing flat fan (e.g. those with a pre-orifice or turbulence chamber) or air induction nozzles are recommended. Use 50 mesh nozzle screens or as recommended by the nozzle manufacturer. **DO NOT** use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
5. Pressure: As recommended by the nozzle manufacturer to achieve no smaller than ASABE fine sized droplets.
6. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). **DO NOT** apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. **DO NOT** spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

10.1.3 Equipment Clean-Up

Before Spraying

- Prior to using MIRAVIS Prime Fungicide, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow MIRAVIS Prime Fungicide residue to dry within the spray tank

- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

10.2 Airblast Application

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.

10.2.1 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 500 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER. Water volume should exceed the minimum recommendation at later stages of fruit development.
2. Spray Quality: Select nozzles and pressure to achieve ASABE fine sized droplets.
3. Spray Distribution: Select nozzles, orient deflectors, and adjust air speed and volume to ensure only the canopy is sprayed. Spray should just reach the top of the target. Account for the shape and canopy density of the target when setting spray distribution.
4. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in overly fine particles (mist). **DO NOT** apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. **DO NOT** spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

10.3 Buffer zones

Spot treatments using hand-held equipment DO NOT require a buffer zone.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitat of Depths:		Terrestrial Habitat	
		Less than 1 m	Greater than 1 m		
Field sprayer	Leafy greens, bushberries subgroup (CSG 13-07B), small fruit vine climbing, caneberries (CSG 13-07A), low growing berries subgroup (CSG 13-07G), leaf petiole vegetables subgroup (CSG 22B),	4	1	1	
Airblast sprayer	Small fruit vine climbing, Bushberries subgroup (highbush blueberries and highbush cranberries only) (CSG 13-07B)	Early growth stage	15	1	1
		Late growth stage	10	1	1

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASABE) 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 Pesticides portion of the Canada.ca website.

10.4 Rotational Crop Restrictions

Rotational Crops	Planting Time From Last Application
Carrots Bulb Vegetables Leafy Greens Brassica Leafy Greens Brassica Head and Stem Vegetable Group (CG 5-13) Dried Shelled Pea and Bean (except soybean) (CSG 6C) Tomatoes Pepper Low growing berries (CSG13-07G) Leaf Petiole Vegetables (CSG 22B)	0 days
All other crops Intended for Food and Feed	30 days

11.0 CROP USE DIRECTIONS

Within the stated range, apply the higher rate and shorter interval under conditions of high disease pressures.

Unless indicated otherwise in the use directions for specific crops, make no more than two sequential applications of MIRAVIS Prime Fungicide before alternating with a non-Group 7 and 12 fungicide registered for the same disease.

Not all members of the crop groups have been tested for phytotoxicity at the specified label rates, and should be used at the discretion of the user. It is recommended to test MIRAVIS Prime

Fungicide on a small portion of the crop to ensure that a phytotoxic response will not occur.

11.1 Directions for Use in Leafy Greens

Crops	<p>Leafy Greens Crops (including all cultivars and/or hybrids of these)</p> <table border="0"> <tr><td>Amaranth, Chinese</td><td>Endive</td></tr> <tr><td>Amaranth, leafy</td><td>Escarole</td></tr> <tr><td>Aster, Indian</td><td>Fameflower*</td></tr> <tr><td>Blackjack</td><td>Feather cockscomb*</td></tr> <tr><td>Cat's Whiskers*</td><td>Good King Henry</td></tr> <tr><td>Chervil, fresh leaves</td><td>Huauzontle</td></tr> <tr><td>Cham-chwi</td><td>Jute leaves</td></tr> <tr><td>Cham-na-mul</td><td>Lettuce, bitter</td></tr> <tr><td>Chipilin</td><td>Lettuce, head</td></tr> <tr><td>Chrysanthemum, garland</td><td>Lettuce, leaf (Romaine)</td></tr> <tr><td>Cilantro, fresh leaves</td><td>Orach</td></tr> <tr><td>Corn salad*</td><td>Parsley, fresh leaves</td></tr> <tr><td>Cosmos</td><td>Plantain, buckhorn</td></tr> <tr><td>Dandelion</td><td>Primrose, English</td></tr> <tr><td>Dock</td><td>Purslane, garden</td></tr> <tr><td>Dol-nam-mul*</td><td>Purslane, winter*</td></tr> <tr><td>Ebolo</td><td>Radicchio (Red Chicory)</td></tr> <tr><td></td><td>Spinach</td></tr> <tr><td></td><td>Spinach, Malabar*</td></tr> <tr><td></td><td>Spinach, New Zealand</td></tr> </table>	Amaranth, Chinese	Endive	Amaranth, leafy	Escarole	Aster, Indian	Fameflower*	Blackjack	Feather cockscomb*	Cat's Whiskers*	Good King Henry	Chervil, fresh leaves	Huauzontle	Cham-chwi	Jute leaves	Cham-na-mul	Lettuce, bitter	Chipilin	Lettuce, head	Chrysanthemum, garland	Lettuce, leaf (Romaine)	Cilantro, fresh leaves	Orach	Corn salad*	Parsley, fresh leaves	Cosmos	Plantain, buckhorn	Dandelion	Primrose, English	Dock	Purslane, garden	Dol-nam-mul*	Purslane, winter*	Ebolo	Radicchio (Red Chicory)		Spinach		Spinach, Malabar*		Spinach, New Zealand
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Diseases Controlled	<p>White mould, sclerotinia rot, sclerotinia drop (<i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia minor</i>)</p> <p>*The indicated crops are not known to be affected by <i>S. sclerotiorum</i> or <i>S. minor</i>.</p>																																								
Diseases Suppressed	Botrytis grey mould (<i>Botrytis cinerea</i>)																																								
Use rate (product/ha)	0.8 – 1.0 L/ha																																								
Application Timing/ Instructions	<p>For control of Sclerotinia diseases, in direct seeded leafy vegetables, apply immediately after emergence or prior to disease development.</p> <p>In transplanted leafy vegetables, apply immediately after transplanting or prior to disease development. A second application should be made if either, 1) the soil is disturbed by cultivation or thinning or, 2) conditions occur that are conducive to disease development. Apply no closer than on a 7 day interval. Use the higher rate under conditions favouring high disease pressure.</p> <p>For suppression of botrytis grey mould, begin applications prior to or at the onset of disease and repeat applications on a 7 – 10 day interval if conditions remain favourable to disease development. Within the stated ranges, use the higher rate and shorter interval under conditions favouring high disease pressure.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p>																																								
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.																																								
Maximum amount of product per season	2.0 L/ha																																								
Pre-harvest Interval (PHI)	Do not apply within 3 days of harvest																																								

11.2 Directions for Use in Leaf Petiole Vegetables (Crop Group 22B)

Crops	Leaf Petiole Vegetables (Crop group 22B) Crops (including all cultivars and/or hybrids of these)							
	<table> <tr> <td>Cardoon</td> <td>Rhubarb</td> </tr> <tr> <td>Celery</td> <td>Udo</td> </tr> <tr> <td>Celery, Chinese</td> <td>Zuiki*</td> </tr> <tr> <td>Fuki</td> <td></td> </tr> </table>	Cardoon	Rhubarb	Celery	Udo	Celery, Chinese	Zuiki*	Fuki
Cardoon	Rhubarb							
Celery	Udo							
Celery, Chinese	Zuiki*							
Fuki								
Diseases Controlled	<p>Pink rot, Watery soft rot (<i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia minor</i>)</p> <p>* The indicated crops are not known to be affected by <i>S. sclerotiorum</i>.</p>							
Diseases Suppressed	Botrytis grey mould (<i>Botrytis cinerea</i>)							
Use rate (product/ha)	0.8 – 1.0 L/ha							
Application Timing/Instructions	<p>For suppression of botrytis grey mould, begin applications prior to or at the onset of disease and repeat applications on a 7 – 10 day interval if conditions remain favourable to disease development. Within the stated ranges, use the higher rate and shorter interval under conditions favouring high disease pressure.</p> <p>For control of <i>Sclerotinia</i> diseases, in direct seeded leafy vegetables, apply immediately after emergence or prior to disease development. In transplanted leafy vegetables, apply immediately after transplanting or prior to disease development. A second application should be made if either, 1) the soil is disturbed by cultivation or thinning or, 2) conditions occur that are conducive to disease development. Apply no sooner than a 7-day interval. Use the higher rate under conditions favouring high disease pressure.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>Use the higher rate under conditions favouring high disease pressure.</p>							
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.							
Maximum amount of product per season	2.0 L/ha							
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI)							

11.3 Directions for Use in Bushberries (Crop Subgroup 13-07B)

Crops	Bushberries Crops (including all cultivars and/or hybrids of these) Aronia berry Blueberry, highbush Blueberry, lowbush Buffalo currant Chilean guava Currant, black Currant, red Elderberry European barberry Gooseberry Highbush cranberry Honeysuckle, edible Huckleberry Jostaberry Juneberry (Saskatoon berry) Lingonberry Native currant Salal Sea buckthorn
Disease controlled	Botrytis fruit rot (<i>Botrytis cinerea</i>)
Use Rate	0.8 – 1.0 L/ha
Application Timing/Instructions for control of botrytis fruit rot	<p>Make the first application during early bloom.</p> <p>A second application made be made 7 to 10 days later. Within the stated ranges, use the higher rate and shorter interval under conditions favouring high disease pressure.</p> <p>Apply in sufficient water volume to obtain thorough coverage; a minimum spray volume of 500 L/ha and 200 L/ha is recommended for airblast (highbush bushberries and highbush cranberries only) and ground application, respectively.</p>
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per season	2.0 L/ha
Pre-harvest Interval	Do not apply within 1 day of harvest.

11.4 Directions for Use in Small Fruit Vine Climbing

Crops	Small fruit vine climbing Crops (except fuzzy kiwifruit)					
	<table> <tr> <td>Armur river grape</td> <td>Maypop</td> </tr> <tr> <td>Grape</td> <td>Schisandra berry (excluding</td> </tr> <tr> <td>Hardy kiwifruit</td> <td>fuzzy kiwifruit)</td> </tr> </table>	Armur river grape	Maypop	Grape	Schisandra berry (excluding	Hardy kiwifruit
Armur river grape	Maypop					
Grape	Schisandra berry (excluding					
Hardy kiwifruit	fuzzy kiwifruit)					
Diseases Controlled	Botrytis grey mould (<i>Botrytis cinerea</i>) Powdery mildew (<i>Erysiphe necator</i> syn. <i>Uncinula necator</i>) on grape only and when applied at the timing for botrytis grey mould control.					
Use rate (product/ha)	0.8 – 1.0 L/ha					
Application Timing/Instructions	<p>For control of botrytis grey mould, begin applications at early bloom. One additional application may be no sooner than 21 days at berry touch, veraison or pre-harvest. Thorough coverage of bunches is essential. Use the higher rate under conditions favouring high disease pressure.</p> <p>When applying for control of botrytis grey mould, powdery mildew on grape will also be controlled when applied prior to pathogen establishment. Powdery mildew specific fungicides should be applied before and/or after the botrytis grey mould application timing for optimal control and proper disease resistance management.</p> <p>Apply as an airblast or broadcast spray in sufficient water for thorough coverage. A minimum of 150 L/ha and 500 L/ha are recommended, respectively.</p>					
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.					
Maximum amount of product per season	2.0 L/ha					
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest.					

11.5 Directions for Use in Low Growing Berries (Crop Subgroup 13-07G, except cranberry)

Crops	Low Growing Berries Crops (including all cultivars and/or hybrids of these)
	Bearberry Bilberry Cloudberry Lowbush blueberry Lingonberry Muntries Partridgeberry Strawberry
Diseases controlled	Grey mold (<i>Botrytis cinerea</i>)
Use Rate	1.0 L/ha
Crops	Strawberry and Blueberry
Disease controlled	Anthracoese (<i>Colletotrichum acutatum</i>, <i>C. fragariae</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	Begin applications at or before bloom and continue on 7 to 10 day interval. Apply as a broadcast spray in sufficient water (minimum of 200 L/ha) for thorough coverage Within the stated range, use a shorter interval under conditions favouring high disease pressure.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program
Maximum amount of product per season	2.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 1 day of harvest.

12.0 MINOR USES

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Syngenta Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

12.1 Directions for Use in Caneberries (Crop Subgroup 13-07A)

Crops	Caneberries (Crop Subgroup 13-07A) Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these), loganberry (<i>rubus loganobaccus</i>), Raspberry, black (<i>Rubus spp.</i>) , Raspberry, red (<i>Rubus spp.</i>) , Wild raspberry (<i>Rubus muelleri</i>)
Disease controlled	Botrytis fruit rot (<i>Botrytis cinerea</i>)
Use Rate	0.8 – 1.0 L/ha (120 - 150 g pydiflumetofen/ha and 200 - 250 g fludioxonil/ha)
Application Timing/Instructions	Make the first application at full bloom. A second application can be made at the green berry stage. Within the stated ranges, use the higher rate and shorter interval under conditions favouring high disease pressure. Apply as a broadcast spray in a minimum of 200 L/ha of water.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 12 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program
Maximum amount of product per season	2.0 L/ha (Total rate limited to 300 g pydiflumetofen/ha/year and 500 g fludioxonil/ha/year).
Application Interval	7 – 10 days
Pre-harvest Interval	Do not apply within 1 day of harvest.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, MIRAVIS Prime Fungicide contains Group 7 and Group 12 fungicides. Group 7 (pydiflumetofen) is in the succinyl dehydrogenase inhibitor (SDHI) class. Group 12 (fludioxonil) is in the phenylpyrrole class. Any fungal population may contain individuals naturally resistant to MIRAVIS Prime Fungicide and other Group 7 or Group 12 fungicides. A gradual or total loss of pest control may occur over time 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:

Where possible, rotate the use of MIRAVIS Prime Fungicide or other Group 7 succinyl dehydrogenase inhibitor (SDHI) or Group 12 phenylpyrrole fungicides with different groups that control the same pathogens.

Apply no more than 2 sequential applications unless otherwise stated in the crop section.

DO NOT apply at rates lower than specified on the label.

Use tank mixtures with fungicides from a different group that is effective on the target pathogen 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 sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to MIRAVIS Prime Fungicide is suspected.

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, to which pathogen resistance has not developed.

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 or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

Application Limitations and Pre-harvest Intervals

Crop*	Maximum Product Rate/ha/application (L/ha)	Maximum total (L/ha/Season)	Pre-Harvest Interval (PHI) (days)	Minimum Re-treatment Interval (days)
Leafy Green Vegetables	1	2	3	7
Bushberries (CSG 13-07B)	1	2	1	7
Small fruit vine climbing	1	2	14	21
Caneberries (CSG 13-07A)	1	2	1	7
Low Growing Berries (CSG 13-07G)	1	2	1	7
Leaf Petiole Vegetables (CSG 22B)	1	2	0	7

*For specific crops in a group and use directions, refer to the Specific Directions For Use

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