

GROUP	7 3	FUNGICIDE
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A20259 Fungicide

FUNGICIDE

SUSPENSION CONCENTRATE

COMMERCIAL - AGRICULTURAL

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

ACTIVE INGREDIENTS:

Pydiflumetofen 75 g/L
Difenoconazole.....125 g/L

Contains 1,2-benzisothiazolin-3-one at 0.041% as a preservative or contains 1,2-benzisothiazolin-3-one at 0.041% and 2-bromo-2-nitropropane-1,3-diol at 0.03% or 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00094% and 2-methyl-4-isothiazolin-3-one at 0.00031% or 2-bromo-2-nitropropane-1,3-diol at 0.0282%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00094% and 2-methyl-4-isothiazolin-3-one at 0.00031% as preservatives.

WARNING, CONTAINS THE ALLERGEN SULFITES

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

CAUTION



POISON

REGISTRATION NO: **33020**
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. Harmful if swallowed. Keep unused product in original container tightly closed, locked up and away from food and feed.

Do not apply by air.

Restricted Entry Interval (REI): DO NOT enter or allow worker entry into treated areas during a restricted entry interval (REI) of 12 hours, except for the following crops:

Crop	Activity	Restricted Entry Interval (REI)
Brassica Head and Stem Vegetables	Hand harvesting	5 days
	Weeding	4 days
	Scouting/Topping/Tying/Training	3 days
Brassica Leafy Vegetables	Weeding	4 days

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

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

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.

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

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 (unless otherwise specified below). Gloves are not required during application within a closed cab and/or cockpit.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes when using a mechanically-pressurized handgun.

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 spray buffer zones specified under DIRECTIONS FOR USE.

TOXIC to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

Pydiflumetofen and difenoconazole are persistent and may carryover. It is recommended that this product not be used in areas treated with any products containing either pydiflumetofen or

difenoconazole or both during the previous season.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of A20259 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 filter strip between the treated area and the edge of the water body.

7.0 STORAGE

Store this product away from food or feed. Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area out of the reach of children and animals. 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

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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.
2. Make the empty, rinsed container unsuitable for further use.

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)***

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Pamphlet

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CALL 1-800-327-8633 (FASTMED)**

9.0 PRODUCT INFORMATION

A20259 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)

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

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.

10.1 Ground Application

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.

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) 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 ½ 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 A20259 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 ASAE 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.

10.1.3. Equipment Clean-Up

Before Spraying:

- Prior to using A20259 Fungicide, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow A20259 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.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

10.2 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 375 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 a minimum of ASAE 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.

10.3 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.

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. When 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.

10.3.1. Mixing Instructions

Mixing this product directly in the aircraft hopper **IS NOT** recommended. The use of chemical handling or managing equipment to load the hopper **IS** recommended. This product **MAY BE** inducted into a hopper which is prefilled with water or when the product and water are mixed prior to entering the hopper. This product **MAY BE** batch mixed and pumped into the hopper. In all cases the chemical handling equipment and hopper interior must be clean prior to use.

Follow the mixing order outlined below:

1. Pump water into the hopper to at least $\frac{1}{4}$ to $\frac{1}{2}$ of the desired spray volume. Engage hopper circulation, if possible.
2. Induct or thoroughly batch mix A20259 Fungicide.
3. Pump batch mixed into the hopper.
4. Finish filling the hopper with water.
5. If it was not possible to engage hopper agitation in Step 1, do so as soon as possible once airborne.
6. Spray the pesticide suspension the same day as mixing.
7. Do not mix, load or clean equipment where there is a potential to contaminate wells or aquatic systems.

NOTE: A20259 Fungicide **MAY BE** inducted or batch mixed.

10.3.2. Pilot Precautions

Read and understand the entire label before using this product. 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. Ensure uniform application and a uniform spray with minimum potential for drift. To avoid streaked, uneven or overlapped application, use appropriate marking technology. GPS based marking is preferred.

If you have questions, call the manufacturer at 1-877-964-3682 or obtain technical advice from the distributor or your provincial agricultural representative.

10.3.3. Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 50 L/ha OR the volume given in the crop- and pest-specific instructions tabulated below, whichever is LARGER.
2. Spray Nozzles: Use only ASAE medium or coarse nozzles rated as delivering droplets of volume median diameter of 300 microns or greater.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASAE coarse or medium sized droplets.
4. Ensure hopper agitation is engaged whenever possible during flight.

10.3.4. Equipment Clean-Up

Before Spraying:

- Prior to using A20259 Fungicide, ensure that the hopper, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow A20259 Fungicide residue to dry within application equipment.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- 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 application equipment 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.

10.4 Product-Specific Precautions

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.

A20259 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**).

10.5 Spray Buffer Zones

A spray buffer zone is NOT required for:

- Uses with hand-held application equipment permitted on this label,
- Low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage.

The spray 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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:				Terrestrial Habitat:
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Root vegetables (CSG 1A), Potato, Tuberous and Corm vegetables (CSG 1C), Leaves of Root and Tuber Vegetables (CG2)		5	1	3	1	1
	Bulb vegetables (CSG 3-07), Brassica leafy vegetables (CSG 4-13B), Brassica head and stem vegetables (CSG 5-13), Fruiting vegetables (CSG 8-09), Cucurbit vegetables (CG 9) Dried Shelled Pea and Beans		4	2	2	1	1
	Lowbush blueberries (sprout year)		3	1	0	0	1
Airblast	Pome fruit	Early growth stage	20	2	10	3	2
		Late Growth State	10	1	4	2	1
	Stone fruit (CG 12-09)	Early growth stage	25	4	15	5	3
		Late Growth State	15	2	5	3	2
	Tree nuts	Early growth stage	20	3	10	4	2
		Late Growth State	10	2	5	2	1
Aerial	Potato	Fixed-wing	20	1	1	1	15
		Rotary-wing	15	1	1	1	15
	Dried Shelled Pea and Beans	Fixed-wing	15	1	5	1	15
		Rotary wing	10	1	3	1	15

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 (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca web site.

10.6 Rotational Crop Restrictions

Rotational Crops	Planting Time From Last Application
Root Vegetables (CSG1A) Tuberos and Corm Vegetables (CSG1C) Leaves of Root and Tuber Vegetables (CG 2) Bulb Vegetables (CG3-07) Brassica Leafy Greens (CSG4-13B) Brassica Head and Stem Vegetables (CG5-13) Dried Shelled Peas and Beans (except soybean) (CSG6C) Fruiting Vegetables (CG8-09) Cucurbit Vegetables (CG9) Low Growing Berry Subgroup (CSG13-07G), except cranberries Rapeseeds (Revised) (CSG20A) Soybeans	0 days
All other crops Intended for Food and Feed	60 days

11.0 CROP USE DIRECTIONS

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 A20259 Fungicide before alternating with a non-Group 7 and 3 fungicide registered for the same disease.

Not all members of the crop groups have been tested for phytotoxicity at the specified label rates, and A20259 Fungicide should be used at the discretion of the user. It is recommended to test A20259 Fungicide on a small portion of the crop to ensure that a phytotoxic response will not occur.

11.1 Directions for Use in Potato

Crops	Potato
Diseases controlled	Early blight (<i>Alternaria solani</i>) Brown spot (<i>Alternaria alternata</i>)
Diseases suppressed	White mould (<i>Sclerotinia sclerotiorum</i>) Botrytis grey mould (<i>Botrytis cinerea</i>)
Use rate (product/ha)	1.0 L/ha
Application Timing/Instructions	<p>To control early blight and brown spot apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval.</p> <p>For suppression of white mould, begin applications at 20% bloom. Repeat applications 10 - 14 days later.</p> <p>For suppression of Botrytis grey mould apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval.</p> <p>Apply as a broadcast spray in sufficient water for thorough coverage. A minimum of 150 L/ha and 50 L/h ha is recommended for ground and aerial application, respectively.</p>
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>
Maximum amount of product per year	<p>3.0 L/ha</p> <p>Do not exceed 500 g difenoconazole per hectare per year (3 applications of A20259 Fungicide). A20259 Fungicide contains 125 g difenoconazole per litre. APROVIA® Top contains 117 g difenoconazole per litre.</p>
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest

11.2 Directions for Use in Root Vegetables (Crop Subgroup 1A)

Crops	Root Vegetables Crops (including all cultivars, varieties and/or hybrids of these)																	
	<table> <tr> <td>Beet, garden</td> <td>Parsnip</td> </tr> <tr> <td>Beet, sugar</td> <td>Radish</td> </tr> <tr> <td>Burdock, edible</td> <td>Radish, oriental (daikon)</td> </tr> <tr> <td>Carrot</td> <td>Rutabaga</td> </tr> <tr> <td>Celeriac (celery root)</td> <td>Salsify (oyster plant)</td> </tr> <tr> <td>Chervil, turnip-rooted</td> <td>Salsify, black</td> </tr> <tr> <td>Chicory</td> <td>Salsify, Spanish</td> </tr> <tr> <td>Horseradish</td> <td>Skirret</td> </tr> <tr> <td>Parsley, turnip-rooted</td> <td>Turnip</td> </tr> </table>	Beet, garden	Parsnip	Beet, sugar	Radish	Burdock, edible	Radish, oriental (daikon)	Carrot	Rutabaga	Celeriac (celery root)	Salsify (oyster plant)	Chervil, turnip-rooted	Salsify, black	Chicory	Salsify, Spanish	Horseradish	Skirret	Parsley, turnip-rooted
Beet, garden	Parsnip																	
Beet, sugar	Radish																	
Burdock, edible	Radish, oriental (daikon)																	
Carrot	Rutabaga																	
Celeriac (celery root)	Salsify (oyster plant)																	
Chervil, turnip-rooted	Salsify, black																	
Chicory	Salsify, Spanish																	
Horseradish	Skirret																	
Parsley, turnip-rooted	Turnip																	
Disease controlled	Alternaria leaf blight (<i>Alternaria</i> spp.)																	
Disease suppressed	White mould (<i>Sclerotinia sclerotiorum</i>)																	
Use Rate	1.0 L/ha																	
Application Timing/Instructions	<p>For control or suppression of above diseases apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>																	
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>																	
Maximum amount of product per year	<p>4.0 L/ha</p> <p>Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre.</p>																	
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest																	

Crops	Beet, garden Beet, sugar
Disease controlled	Cercospora leaf blight (<i>Cercospora beticola</i>)
Crop	Carrot
Disease suppressed	Cercospora leaf blight (<i>Cercospora carota</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	<p>For control of above diseases apply on a 7- to 14-day interval, starting prior to disease establishment. If conditions are conducive to high disease pressure, use the shortest interval.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>
Maximum amount of product per year	<p>4.0 L/ha</p> <p>Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre. APROVIA Top on garden beet contains 117 g difenoconazole per litre.</p>
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest

Crop	Ginseng												
Disease controlled	Alternaria leaf blight (<i>Alternaria panax</i>)												
Disease suppressed	Botrytis blight (<i>Botrytis cinerea</i>)												
Use Rate	1.0 L/ha												
Application Timing/Instructions	<p>For control or suppression of above diseases apply on a 7- to 14-day interval, starting prior to disease establishment. If conditions are conducive to high disease pressure, use the shortest interval.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>												
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>												
Maximum amount of product per year	<p>4.0 L/ha</p> <p>Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre. APROVIA Top contains 117 g difenoconazole per litre.</p>												
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest												
Crops	<p>Root and Tuber Vegetables Crops (including all cultivars, varieties and/or hybrids of these)</p> <table border="0"> <tr> <td>Beet, garden</td> <td>Parsnip</td> </tr> <tr> <td>Beet, sugar</td> <td>Radish</td> </tr> <tr> <td>Burdock, edible</td> <td>Radish, oriental (daikon)</td> </tr> <tr> <td>Carrot</td> <td>Rutabaga</td> </tr> <tr> <td>Horseradish</td> <td>Turnip</td> </tr> <tr> <td>Parsley, turnip-rooted</td> <td></td> </tr> </table>	Beet, garden	Parsnip	Beet, sugar	Radish	Burdock, edible	Radish, oriental (daikon)	Carrot	Rutabaga	Horseradish	Turnip	Parsley, turnip-rooted	
Beet, garden	Parsnip												
Beet, sugar	Radish												
Burdock, edible	Radish, oriental (daikon)												
Carrot	Rutabaga												
Horseradish	Turnip												
Parsley, turnip-rooted													
Disease controlled	Powdery Mildew (<i>Erysiphe</i> spp.)												
Use Rate	1.0 L/ha												
Application Timing/Instructions	<p>For control of above disease apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>												
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>												
Maximum amount of product per year	<p>4.0 L/ha</p> <p>Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre. APROVIA Top contains 117 g difenoconazole per litre.</p>												
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest												

11.3 Directions for Use in Tuberous and Corm Vegetables

Crops	Tuberous and Corm Vegetables Crops (including all cultivars, varieties and/or hybrids of these
	Artichoke, Chinese Artichoke, Jerusalem Canna, edible
	Chufa Sweet potato
Disease controlled	Alternaria leaf spot (<i>Alternaria</i> spp.) on sweet potato, Jerusalem artichoke, and canna Alternaria rot (<i>Alternaria</i> spp.) on sweet potato Alternaria leaf petiole and stem blight (<i>A. tenuissima</i> , <i>A. bataticola</i>) on sweet potato
Diseases suppressed	White mould (<i>Sclerotinia sclerotiorum</i>) Botrytis grey mould (<i>Botrytis cinerea</i>)
Use rate (product/ha)	1.0 L/ha
Application Timing/Instructions	For control of Alternaria leaf spot apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval. For suppression of white mould, begin applications at 20% bloom. Repeat application 10 -14 days later. For suppression of Botrytis grey mould apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high use the shortest interval. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	3.0 L/ha Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre. APROVIA Top contains 117 g difenoconazole per litre.
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest

11.4 Directions for Use in Leaves of Root and Tuber Vegetables (Crop Group 2)

Crops	Leaves and Root and Tuber Vegetables Crops (including all cultivars, varieties and/or hybrids of these)	
	Beet, garden Beet, sugar Burdock, edible Carrot Cassava, bitter and sweet Celeriac (celery root) Chervil, turnip-rooted Chicory Dasheen (taro)	Parsnip Radish Radish, oriental Rutabaga Salsify, black Sweet potato Tanier Turnip Yam, true
Diseased controlled	Powdery Mildew (<i>Erysiphe</i> spp.) Alternaria leaf blight (<i>Alternaria</i> spp.)	
Diseases suppressed	White mould (<i>Sclerotinia sclerotiorum</i>)	
Use Rate	1.0 L/ha	
Application Timing/Instructions	For control or suppression of above diseases apply on a 7- to 14-day interval, starting prior to disease establishment. If disease pressure is high, use the shortest interval. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.	
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.	
Maximum amount of product per year	4.0 L/ha Do not exceed 300 g pydiflumetofen or 500 g difenoconazole per hectare per year (4 applications of A20259 Fungicide). A20259 Fungicide contains 75 g pydiflumetofen and 125 g difenoconazole per litre. APROVIA Top contains 117 g difenoconazole per litre.	
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest	

11.5 Directions for Use in Bulb Vegetables

Crops	Bulb Vegetables		
	<table> <tr> <td>Bulb Onions Subgroup: Garlic, bulb Garlic, great-headed, bulb Onion, bulb Shallot, bulb</td> <td>Green Onions Subgroup: Leek Onion, green Onion, Welsh, tops Shallot, fresh leaves</td> </tr> </table>	Bulb Onions Subgroup: Garlic, bulb Garlic, great-headed, bulb Onion, bulb Shallot, bulb	Green Onions Subgroup: Leek Onion, green Onion, Welsh, tops Shallot, fresh leaves
Bulb Onions Subgroup: Garlic, bulb Garlic, great-headed, bulb Onion, bulb Shallot, bulb	Green Onions Subgroup: Leek Onion, green Onion, Welsh, tops Shallot, fresh leaves		
Disease controlled	Purple blotch (<i>Alternaria porri</i>)		
Use Rate	1.0 L/ha		
Application Timing/Instructions	<p>For control of above disease apply on a 7- to 14-day interval, starting prior to disease establishment.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>		
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>		
Maximum amount of product per year	<p>3.0 L/ha (green onion subgroup) 4.0 L/ha (bulb onion subgroup)</p>		
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest		
Crops	Onion, bulb Shallot, bulb		
Disease suppressed	Botrytis leaf blight (<i>Botrytis squamosa</i>)		
Use Rate	1.0 L/ha		
Application Timing/Instructions	<p>For suppression of above disease apply on a 7- to 14-day interval, starting prior to disease establishment.</p> <p>Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage.</p> <p>DO NOT apply by air.</p>		
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>		
Maximum amount of product per year	4.0 L/ha		
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest		

Crops	Onion, bulb
Disease suppressed	Stemphylium leaf blight (<i>Stemphylium vesicarium</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	For suppression of above disease apply on a 7- to 14-day interval, starting prior to disease establishment. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	4.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 7 days of harvest

11.6 Directions for Use in Brassica Leafy Vegetables

Crops	Brassica Leafy Vegetables
	Crops (including all cultivars, varieties and/or hybrids of these) Broccoli raab Chinese cabbage, bok choy Collards Kale Mizuna Mustard greens Rape greens
Diseases controlled	Alternaria leaf blight (<i>Alternaria brassicae</i>) Powdery mildew (<i>Erysiphe polygoni</i>)
Use Rate	0.728 – 1.0 L/ha
Application Timing/Instructions	For control of above diseases apply on a 7- to 10-day interval, starting prior to disease establishment. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	3.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 3 days of harvest

11.7 Directions for Use in Brassica Head and Stem Vegetables (Crop Group 5-13)

Crops	Brassica Head and Stem Vegetables Crops (including all cultivars, varieties and/or hybrids of these)
	Broccoli Cabbage, Chinese, napa Brussels sprouts Cauliflower Cabbage
Diseases controlled	Alternaria leaf blight (<i>Alternaria brassicae</i>) Powdery mildew (<i>Erysiphe polygoni</i> , <i>E. cruciferarum</i>)
Use Rate	0.728 – 1.0 L/ha
Application Timing/Instructions	For control of above diseases apply on a 7- to 10-day interval, starting prior to disease establishment. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	3.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 5 days of harvest

11.8 Directions for Use in Fruiting Vegetables

Crops	Fruiting vegetables Crops (including all cultivars, varieties and/or hybrids of these)
	Eggplant Groundcherry Pepino Tomatillo
Diseases controlled	Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper) Tomato
Diseases suppressed	Early blight (<i>Alternaria solani</i>) Alternaria canker and rot (<i>Alternaria alternata</i>) Powdery mildew (<i>Leveillula taurica</i>) Anthracnose (<i>Colletotrichum coccodes</i> and <i>Colletotrichum acutatum</i>) Septoria leaf spot (<i>Septoria lycopersici</i>) in tomato
Diseases suppressed	Botrytis grey mould (<i>Botrytis cinerea</i>) White mould (<i>Sclerotinia sclerotiorum</i>) Cercospora leaf spot (<i>Cercospora capsici</i>) on tomato, pepper, and eggplant
Use rate (product/ha)	1.0 L/ha
Application Timing/Instructions	For control or suppression of all the diseases above apply on a 7- to 14-day interval, starting prior to disease establishment. If conditions are conducive to high disease pressure, use the shortest interval. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	2.0 L/ha
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI).

11.9 Directions for Use in Cucurbit Vegetables

Crops	Cucurbit vegetables Crops (including all cultivars, varieties and/or hybrids of these
	Chinese waxgourd Citron melon Cucumber (field) Gerkin Gourd, edible Momordica spp. Muskmelons (includes cantaloupe) Pumpkin Squash, Summer (includes zucchini) Squash, winter Watermelon
Diseases controlled	Powdery mildew (<i>Sphaerotheca fuliginea</i> and <i>Erysiphe chichoracearum</i>) Alternaria leaf spot (<i>Alternaria alternata</i>) Anthracnose (<i>Colletotrichum lagenarium</i> syn. <i>orbiculaire</i>) Gummy stem blight (<i>Didymella bryoniae</i>)
Diseases suppressed	Alternaria blight (<i>Alternaria cucumerina</i>)
Use rate (product/ha)	1.0 L/ha
Application Timing/Instructions	For control or suppression of above diseases apply on a 14-day interval, starting prior to disease establishment. Apply as a broadcast spray in sufficient water (minimum of 150 L/ha) for thorough coverage. DO NOT apply by air.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions, and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	2.0 L/ha
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI).

11.10 Directions for Use in Dried Shelled Pea and Beans

Crops	Chickpeas, lentils, peas (<i>Pisum</i> spp.) (includes field pea), broad bean (faba bean) (<i>Vicia</i> spp.)
Diseases Controlled	Anthraxnose (<i>Colletotrichum truncatum</i>) on chickpeas, lentils, peas (<i>Pisum</i> spp.) (includes field pea) and broad bean (faba bean) (<i>Vicia</i> spp.) Mycosphaerella blight (<i>Mycosphaerella pinodes</i>) on peas (<i>Pisum</i> spp.) (Includes field pea) Ascochyta blight (<i>Ascochyta rabiei</i>) on chickpeas
Use rate (product/ha)	1.0 L/ha
Application Timing/Instructions	For control of anthracnose, mycosphaerella blight, and ascochyta blight, the first application must be applied before disease is established and no later than the onset of flowering. A second application can be made 14 days after the first application, when disease pressure is high or when agronomic or weather conditions are conducive to disease development or movement. Apply in sufficient water volume to obtain thorough coverage; a minimum spray volume of 100 L/ha and 50 L/ha is recommended for ground and aerial application, respectively.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions, and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	2.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 30 days of harvest for seed. Dry pea hay and vines may be fed or harvested 14 days after last application.
Specific Use Restrictions:	
<ol style="list-style-type: none"> 1. Not all members of the legume vegetable group have been tested for phytotoxicity and A20259 Fungicide should be used at the discretion of the user. It is recommended to test A20259 Fungicide on a small portion of the crop to ensure that a phytotoxic response will not occur. This is especially true for dry beans. 2. A20259 Fungicide may be applied by air or ground application equipment. A20259 is most effective when applied and allowed to dry before a rainfall. 	

11.11 Directions for Use in Pome Fruits

Crops	Pome Fruits Crops (including all cultivars, varieties and/or hybrids of these)	
	<table> <tr> <td>Apple Crabapple</td> <td>Pear Pear, Asian Quince</td> </tr> </table>	Apple Crabapple
Apple Crabapple	Pear Pear, Asian Quince	
Diseases controlled	Powdery mildew (<i>Podosphaera leucotricha</i>) (suppression only) Brooks fruit spot (<i>Mycosphaerella pomi</i>) Cedar apple rust (<i>Gymnosporangium juniperi-virginianae</i>) Quince rust (<i>Gymnosporangium clavipes</i>) Sooty blotch (<i>Gloeodes pomigena</i>) Flyspeck (<i>Zygophiala jamacaicensis</i>)	
Use Rate	0.585 L/ha	
Application Timing/Instructions	<p>For suppression of powdery mildew: Begin applications at the tight cluster stage, and continue on a 7- to 10-day schedule. For control of sooty blotch, flyspeck, cedar-apple rust, quince rust, and brooks fruit spot: Begin applications preventively. Apply on a 7- to 10-day schedule.</p> <p>Apply as an airblast spray in sufficient water for thorough coverage. A minimum of 375 L/ha is recommended.</p> <p>DO NOT apply by air.</p>	
Disease controlled	Scab (<i>Venturia inaequalis</i> , <i>Venturia pirina</i>)	
Use Rate	0.585 L/ha	
Application Timing/Instructions	<p>Apple scab - Protective Spray Schedule: Apply on a 7- to 14-day interval starting at 6-13 mm (¼-½ inch) green tip or when environmental conditions become conducive for scab. Continue through petal fall until the threat of primary scab is complete. To improve fruit scab control and limit the potential for resistance to develop, A20259 may be combined with a protectant fungicide. Consult the tank-mix partner label and adhere to the most restrictive use directions, limitations and precautions.</p> <p>Apple scab - Forecasting Spray Schedule: Use a forecasting system beginning at green tip. Apply within 48 hours of the onset of an infection period. Apply a follow-up spray after 7 days. To improve fruit scab control and limit the potential for resistance to develop, A20259 may be combined with a protectant fungicide. Consult the tank-mix partner label and adhere to the most restrictive use directions, limitations and precautions.</p> <p>Apply as an airblast spray in sufficient water for thorough coverage. A minimum of 375 L/ha is recommended.</p> <p>DO NOT apply by air.</p>	
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions, and directions on the labels of fungicide products used in an alternation program.</p>	
Maximum amount of product per year	2.34 L/ha	
Pre-harvest Interval (PHI)	Do not apply within 30 days of harvest	

11.12 Directions for Use in Blueberries (Lowbush) – Sprout Year

Crop	Blueberries (lowbush)
Diseases suppressed	Septoria leaf spot (<i>Septoria</i> spp.) Blueberry leaf rust (<i>Thekopsora minima</i>)
Use Rate	0.75 L/ha
Application Timing/Instructions	<p>Only apply in the non-cropping year of production (i.e. the vegetative or sprout phase of production).</p> <p>Apply at the first sign of disease, in the sprout year. After the initial application, one additional application may be made 7- 14 days afterwards if conditions remain favourable for continued or increased disease development.</p> <p>Apply in sufficient water volume to obtain thorough coverage; a minimum spray volume of 200 L/ha is recommended.</p> <p>DO NOT apply by air.</p>
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions, and directions on the labels of fungicide products used in an alternation program.</p>
Maximum amount of product per year	1.5 L/ha
Pre-harvest Interval (PHI)	Do not apply within 365 days of harvest.

11.12 Directions for Use in Tree Nuts

Crops	Almond
Disease controlled	Brown rot (<i>Monilinia laxa</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	For control of above disease apply on a 14-day interval, starting prior to disease establishment. Apply as an airblast spray in sufficient water for thorough coverage. A minimum of 375 L/ha is recommended. DO NOT apply by air. DO NOT enter or allow entry into treated areas until sprays have dried.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	3.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest
Crops	Hazelnut (Filbert)
Disease controlled	Eastern Filbert blight (<i>Anisogramma anomala</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	For control of above disease apply on a 14-day interval, starting prior to disease establishment. Apply as an airblast spray in sufficient water for thorough coverage. A minimum of 375 L/ha is recommended. DO NOT apply by air. DO NOT enter or allow entry into treated areas until sprays have dried.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	3.0 L/ha
Pre-harvest Interval (PHI)	Do not apply within 14 days of harvest

11.13 Directions for Use in Peaches (Crop Subgroup 12-09B) and Cherries (Crop Subgroup 12-09A) (Additional uses for these crops in Section 12.1)

Crop	Peaches (Crop Subgroup 12-09B) Peach Nectarine Cultivars, varieties, and hybrids of these commodities
Disease controlled	Powdery mildew (<i>Podosphaera pannosa</i>)
Crop	Cherries (Crop Subgroup 12-09A) Capulin Cherry, black Cherry, Nanking Cherry, sweet Cherry, tart Cultivars, varieties, and hybrids of these commodities
Disease controlled	Powdery mildew (<i>Podosphaera clandestina</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	Begin applications prior to disease establishment. Apply as an airblast spray in sufficient water (a minimum of 375 L/ha) for thorough coverage. If high inoculum and severe disease conditions persist, apply a registered non-Group 3 or 7 fungicide. Make additional applications on a 7- to 14-day interval from the end of petal fall to harvest. If conditions are conducive to high disease pressure, use the shortest interval. DO NOT apply by air. DO NOT enter or allow entry into treated areas until sprays have dried.
Maximum number of consecutive sprays	2 applications, then switch to a non-Group 7 and 3 fungicide. Follow all precautions, restrictions, and directions on the labels of fungicide products used in an alternation program.
Maximum amount of product per year	4.0 L/ha
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI).

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 Stone Fruits (Crop Group 12-09)

Crops	<p>Stone Fruits Crops (including all cultivars, varieties and/or hybrids of these)</p> <table border="0"> <tr><td>Apricot</td><td>Plum, American</td></tr> <tr><td>Apricot, Japanese</td><td>Plum, beach</td></tr> <tr><td>Cherry, black</td><td>Plum, Canada</td></tr> <tr><td>Cherry, Nanking</td><td>Plum, cherry</td></tr> <tr><td>Cherry, sweet</td><td>Plum, Chickasaw</td></tr> <tr><td>Cherry, tart</td><td>Plum, Damson</td></tr> <tr><td>Jujube, chinese</td><td>Plum, Japanese</td></tr> <tr><td>Nectarine</td><td>Plum, Klamath</td></tr> <tr><td>Peach</td><td>Plum, prune</td></tr> <tr><td>Plum</td><td>Plumcot</td></tr> <tr><td></td><td>Sloe</td></tr> </table>	Apricot	Plum, American	Apricot, Japanese	Plum, beach	Cherry, black	Plum, Canada	Cherry, Nanking	Plum, cherry	Cherry, sweet	Plum, Chickasaw	Cherry, tart	Plum, Damson	Jujube, chinese	Plum, Japanese	Nectarine	Plum, Klamath	Peach	Plum, prune	Plum	Plumcot		Sloe
Apricot	Plum, American																						
Apricot, Japanese	Plum, beach																						
Cherry, black	Plum, Canada																						
Cherry, Nanking	Plum, cherry																						
Cherry, sweet	Plum, Chickasaw																						
Cherry, tart	Plum, Damson																						
Jujube, chinese	Plum, Japanese																						
Nectarine	Plum, Klamath																						
Peach	Plum, prune																						
Plum	Plumcot																						
	Sloe																						
Diseases controlled	Brown rot, blossom blight, and fruit rot (<i>Monilinia</i> spp.)																						
Use Rate	1.0 L/ha																						
Application Timing/Instructions	<p>For control of above disease begin applications prior to disease establishment. Apply as an airblast spray in sufficient water (a minimum of 375 L/ha) for thorough coverage.</p> <p>For brown rot and blossom blight, begin applications at early bloom and continue through petal fall.</p> <p>For brown rot on fruit, apply as needed with a maximum of two sprays during the pre-harvest period up to the day of harvest.</p> <p>If high inoculum and severe disease conditions persist, apply a registered non-Group 3 or 7 fungicide.</p> <p>Make additional applications on a 7- to 14-day interval from the end of petal fall to harvest. If conditions are conducive to high disease pressure, use the shortest interval.</p> <p>DO NOT apply by air.</p> <p>DO NOT enter or allow entry into treated areas until sprays have dried.</p>																						
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>																						
Maximum amount of product per year	4.0 L/ha																						
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI).																						

Crops	Peach
Disease controlled	Scab (<i>Cladosporium carpophilum</i>)
Use Rate	1.0 L/ha
Application Timing/Instructions	<p>For control of above disease begin applications prior to disease establishment. Apply as an airblast spray in sufficient water for thorough coverage. A minimum of 375 L/ha is recommended.</p> <p>If high inoculum and severe disease conditions persist, apply a registered non-Group 3 or 7 fungicide.</p> <p>Make additional applications on a 7- to 14-day interval from the end of petal fall to harvest</p> <p>DO NOT apply by air.</p> <p>DO NOT enter or allow entry into treated areas until sprays have dried.</p>
Maximum number of consecutive sprays	<p>2 applications, then switch to a non-Group 7 and 3 fungicide.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>
Maximum amount of product per year	4.0 L/ha
Pre-harvest Interval (PHI)	May be applied the day of harvest (0 day PHI).

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, A20259 Fungicide contains Group 7 and Group 3 fungicides. Group 7 (pydiflumetofen) is in the succinyl dehydrogenase inhibitor (SDHI) class. Group 3 (difenoconazole) is in the triazole class. Any fungal population may contain individuals naturally resistant to Group 7 and Group 3 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 pydiflumetofen and difenoconazole or other Group 7 or 3 fungicides with different groups that control the same pathogens.

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

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 A20259 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, to which pathogen resistance has not developed.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or integrated pest management 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)	Minimum Re-treatment Interval (days)	Maximum total (L/ha/ Season)	Pre-Harvest Interval (PHI) (days)
Root vegetables (CSG 1A)	1	7	4	7
Potato and Tuberous and Corm vegetables	1	7	3	14
Bulb vegetables	1	7	3 (green onion sub-group) 4 (bulb onion sub-group)	7
Brassica leafy vegetables	1	7	3	3
Brassica head and stem vegetables (CG 5-13)	1	7	3	5
Fruiting vegetables	1	7	2	0
Cucurbits vegetables	1	14	2	0
Dried Shelled Pea and Beans	1	14	2	30 days (for seed) 14 days (for dry pea hay and vines)
Pome fruit	0.585	7	2.34	30
Stone fruit (CG 12-09) including Peaches (CSG 12- 09B and Cherries (CSG 12- 09A)	1	7	4	0
Tree nut	1	14	3	14
Lowbush Blueberries (sprout year)	0.75	7	1.5	365
Leaves of root & tuber Vegetables (Human food or animal feed) (CG 2)	1	7	4	14

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

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