

A7087 Fungicide

FUNGICIDE

COMMERCIAL – AGRICULTURAL

SUSPENSION

ACTIVE INGREDIENT:

Fluazinam 500 g/L

Contains 1,2-benzisothiazolin-3-one at 0.015% as a preservative.

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

REGISTRATION NO: **35449**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to 1050 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

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 a doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

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

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

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

DO NOT get on skin. **DO NOT** take internally, harmful if swallowed.

Causes skin irritation. Harmful if absorbed through skin. Avoid contact with eyes. Potential skin sensitizer. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash exposed areas of skin thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

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

Avoid breathing spray mist.

Restricted-Entry Interval (REI): DO NOT enter or allow workers entry into treated areas during the restricted-entry interval of 3 days to perform hand weeding in bulb onions (crop subgroup 3-07A). For all other post application activities, **DO NOT** enter or allow workers entry into treated

areas during the restricted-entry interval (REI) of 24 hours.

Apply only to agricultural crops when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemically resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear chemical-resistant headgear during open cab airblast application. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection. Custom applicators must use ground boom equipment with an enclosed cab. Gloves are not required during application within a closed cab.

For application using mechanically-pressurized handheld equipment, applicators must wear a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated chemically resistant footwear.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using this product, do not eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

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

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.

Fluazinam is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing fluazinam during the previous season.

7.0 STORAGE

Store this product away from food or feed. Store product in original container, in a secured, dry place separate from other pesticides and fertilizer.

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 clean-up of spills.

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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***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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9.0 DIRECTIONS FOR USE

9.1 General Information

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.

A7087 Fungicide can be used effectively in dilute spray. Thorough, uniform coverage is essential for disease control.

NOTE: Slowly invert container several times to assure uniform mixture.

Dosage rates on this label indicate litres of A7087 Fungicide per hectare, unless otherwise stated. Under conditions which favour disease development the shortest application interval should be used.

The required amount of A7087 Fungicide should be added slowly into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations. 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.

9.2 Ground Application

9.2.1 General Information

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

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

9.2.2 Mixing Instructions

NOTE: WG and DF formulations are preferentially batch mixed.

NOTE: SC, SN, and SL formulations may be inducted or batch mixed.

NOTE: EC formulations are preferentially batch mixed.

It is **NOT** recommended to combine solid (WG or DF) formulations with liquid tank mix partners within a single batch. Batch mix WG or DF formulations first, pump into the hopper, and then add liquid tank mix partners by induction or as an additional batch mix. When tank mixing multiple products, follow the mixing order outlined below:

1. Spray equipment should be thoroughly flushed with clean water before mixing A7087 Fungicide.
2. Fill spray tank 1/2 full with carrier. Engage gentle agitation.
3. Pour in the required amount of wettable powder or wettable granule, if applicable.
4. Fill tank 3/4 full and add the A7087 Fungicide and other liquid products, if applicable.
5. Fill tank 9/10 full and add emulsifiable concentrate, liquid solutions or emulsifiable oils, as required. If adding emulsifiable oils, avoid excessive agitation to prevent mixture from forming a grease-like mass and settling out.
6. Finish filling tank. Maintain gentle agitation during mixing and spraying operations.
7. Do not let stand without agitation.
8. When using a mixture of A7087 Fungicide and emulsifiable oil, clean tank immediately after use with a strong detergent and clean water.

9.2.3 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 100 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 nozzles rated as delivering droplets of volume median diameter of 300 microns or greater. The use of higher water volumes and larger spray tip sizes will generally increase spray deposition and reduce drift.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASAE medium sized droplets.
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.

9.2.4 Equipment Clean-Up

Before Spraying:

Prior to using A7087 Fungicide, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

Thoroughly clean application equipment immediately after spraying. **DO NOT** allow A7087 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.

9.3 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,
- soil drench or soil incorporation.

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:		
		Freshwater Habitat:	Estuarine/Marine Habitat:	Terrestrial Habitat
Field sprayer	Potato	30	25	1
	Edible-podded legume vegetables (except peas), dry shelled beans (except soybean)	35	25	0
	Soybeans	35	30	0
	Ginseng, bulb onion Crop Subgroup (3-07A), carrots	35	30	1
	Field peppers	40	30	1
	Highbush and lowbush blueberry, currant, elderberry, gooseberry, huckleberry	40	35	1
Airblast sprayer	Apples	45	40	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 (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 website.

9.4 Rotational Crop Restrictions

Areas treated with A7087 Fungicide may be replanted with potatoes and dry shelled beans as soon as practical after the last application. Other root crops and leafy vegetables can be planted 30 days after the last application. All other crops can be planted 70 days after the last application.

9.5 Integrated Pest Management

A7087 Fungicide is recommended for use as part of an Integrated Pest Management (IPM) program, which may include the use of disease resistant varieties, cultural practices, biological control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage. Practices known to reduce disease development should be followed. Consult your provincial agricultural authorities for additional IPM strategies established in your area. A7087 Fungicide may be used in disease forecasting programs, which recommend application timing based on environmental factors that favour disease development.

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.

A7087 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**).

10.0 CROP USE DIRECTIONS

10.1 Potatoes

CROP	Potatoes
DISEASE CONTROLLED	Late blight (<i>Phytophthora infestans</i>)
USE RATE	0.4 L/ha
APPLICATION TIMING	Begin applications when the plants are 15 – 20 cm tall or when conditions favour disease development. Repeat applications at intervals of 7 – 10 days.
DISEASE CONTROLLED	White mould (<i>Sclerotinia sclerotiorum</i>)
USE RATE	0.4 – 0.6 L/ha
APPLICATION TIMING	Begin applications at full bloom. Repeat applications at intervals of 7 – 10 days. When white mould pressure is low to moderate, use 400 mL. When conditions favour moderate to high white mould pressure, increase the rate to 600 mL.

SPRAY VOLUME	Apply A7087 Fungicide in sufficient water to obtain adequate coverage of foliage. Spray volumes to be used vary with amount of plant growth. Spray volume usually will range from 200 to 600 litres per hectare for ground application.
APPLICATION INTERVAL	7 – 10 days
MAXIMUM NUMBER OF CONSECUTIVE SPRAYS	Do not make more than 3 sequential applications of A7087 Fungicide before alternating to a fungicide with a different mode of action
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	For late blight, 10
MAXIMUM USE RATE/YEAR	4.0 L/ha
PRE-HARVEST INTERVAL (PHI)	14 days

10.2 Soybeans

CROP	Soybeans
DISEASE CONTROLLED	White mould (<i>Sclerotinia sclerotiorum</i>)
USE RATE	0.88 – 1.17 L/ha
SPRAY VOLUME	Apply A7087 Fungicide in sufficient water to obtain adequate coverage of foliage. Spray volume will range from 100 to 600 litres per hectare.
APPLICATION TIMING	Begin applications at the R1 (early bloom) to R2 (full bloom) stage of development and, if needed, again 10- to 14-days later at early pod formation (R3). As a preventative spray or with conditions favoring low disease pressure, use the low rate. For conditions favoring moderate to high disease development, use high rate.
APPLICATION INTERVAL	10 – 14 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	2
MAXIMUM USE RATE/YEAR	2.34 L/ha
PRE-HARVEST INTERVAL (PHI)	DO NOT apply after growth stage R3, early pod formation.
NOTES	DO NOT allow livestock to graze treated areas. DO NOT feed hay from treated fields to livestock.

11.0 MINOR USES

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

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.

11.1 Brassica Vegetables

CROPS	Bok choi Chinese cabbage; broccoli; broccoli raab; Brussels sprouts; cabbages; cauliflower; cavalo broccolo; Chinese broccoli; Chinese mustard cabbage; collards; kale; kohlrabi; mizuna; mustard greens; mustard spinach; Chinese Napa cabbage and rape greens
DISEASE CONTROLLED	Clubroot (<i>Plasmodiophora brassicae</i>)
APPLICATION TIMING	Pre-transplant Treatment
USE RATE	2.9 L/ha
SPRAY VOLUME	500 L/ha
APPLICATION METHOD	Apply A7087 Fungicide in a minimum band of 25 cm along the planting row and incorporate to a depth of 15 to 20 cm with a precision incorporator in the same operation. Transplant the seedlings into the treated band. If planting to a bed, a broadcast application could be made prior to forming the bed.
APPLICATION TIMING	Transplant Treatment
USE RATE	Mix 50 mL of A7087 Fungicide with water to make a 100 L solution. Apply 100 mL of solution per plant immediately after transplanting.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	1
PRE-HARVEST INTERVAL (PHI)	Head and Stem Brassica subgroup 5A: (Broccoli; Chinese broccoli; Brussels sprouts; cabbages; Chinese Napa cabbage; Chinese mustard cabbage; cauliflower; cavalo broccolo; kohlrabi) - 65 days Leafy Brassica Greens subgroup 5B: (Broccoli raab; Bok choi Chinese cabbage; collards, kale; mizuna; mustard greens; rape greens) - 30 days
NOTES	DO NOT apply by air.

11.2 Berries and Small Fruit

CROPS	Highbush, lowbush blueberry
DISEASE SUPPRESSED	Mummyberry (<i>Monilinia vaccinii-corymbosi</i>), fruit anthracnose (<i>Colletotrichum gloeosporioides</i> and <i>C. acutatum</i>)
USE RATE	2.24 L/ha
DISEASE SUPPRESSED	Phomopsis fruit rot (<i>Phomopsis vaccinia</i>)
USE RATE	2.24 L/ha
CROPS	Currants, elderberry, gooseberry and huckleberry
DISEASE SUPPRESSED	Fruit anthracnose (<i>Colletotrichum gloeosporioides</i> and <i>C. acutatum</i>)
USE RATE	2.24 L/ha
SPRAY VOLUME	300 – 1000 L/ha
APPLICATION METHOD	Foliar spray
APPLICATION TIMING	Begin applications at bud break and repeat on a 7 to 10 day interval to petal fall.
APPLICATION INTERVAL	7 – 10 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	2
PRE-HARVEST INTERVAL (PHI)	30 days
NOTES	DO NOT apply by air.

11.3 Legume Vegetables

CROPS	Edible-podded legume vegetables (except pea): Bean (<i>Phaseolus</i> spp.) (includes runner bean, snap bean, wax bean). Bean (<i>Vigna</i> spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean), jackbean, soybean (immature seed) and sword bean
DISEASE CONTROLLED	White mould (<i>Sclerotinia sclerotiorum</i>)
USE RATE	0.6 – 1.0 L/ha
SPRAY VOLUME	300 – 1000 L/ha water
APPLICATION METHOD	Foliar spray
APPLICATION TIMING	For control of white mould, begin applications when plants are at first bloom to 10% bloom; i.e. when 10% of the plants have at least one open bloom. Make a second application 7 to 10 days later, but no later than when 50% of the plants have at least one open bloom. Under conditions favorable for severe disease development use the higher rate.
APPLICATION INTERVAL	7 – 10 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	2
PRE-HARVEST INTERVAL (PHI)	14 days
CROPS	Dry Shelled Beans, except soybean
DISEASES CONTROLLED	White mould (<i>Sclerotinia sclerotiorum</i>)
USE RATE	0.6 – 1.0 L/ha
SPRAY VOLUME	Apply A7087 Fungicide in sufficient water to obtain adequate coverage of foliage. Spray volume usually will range from 200 to 600 litres per hectare.
APPLICATION TIMING	For control of white mould make the first application at 10 to 30% bloom (e.g. when 10 to 30% of the plants have at least one (1) open bloom). If needed, a second application may be applied 7 to 10 days later. Under conditions favorable for severe disease development use the higher rate.
APPLICATION INTERVAL	7 – 10 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	2
MAXIMUM USE RATE/YEAR	DO NOT apply more than the maximum seasonal use rate of 2.0 litres per hectare during each growing season.
PRE-HARVEST INTERVAL (PHI)	30 days

11.4 Ginseng

CROP	Ginseng
DISEASES CONTROLLED	Rhizoctonia root rot (<i>Rhizoctonia solani</i>), Alternaria blight (<i>Alternaria panax</i>) and Botrytis blight (<i>Botrytis cinerea</i>)
USE RATE	1.2 L/ha
SPRAY VOLUME	100 – 500 L/ha of water
APPLICATION TIMING	For control of Rhizoctonia root rot, begin at seed then continue on a 14-day interval. For control of Alternaria blight and Botrytis blight, begin when the disease first appears or when conditions are favourable for disease development. Repeat applications as needed on a 7 to 14-day interval.
APPLICATION INTERVAL	7 – 14 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	4
PRE-HARVEST INTERVAL (PHI)	30 days
NOTES	DO NOT apply by air.

11.5 Carrot

CROP	Carrot
DISEASES CONTROLLED	White mould (<i>Sclerotinia sclerotiorum</i>) Alternaria leaf blight (<i>Alternaria dauci</i>)
USE RATE	1.16 L/ha
SPRAY VOLUME	Apply A7087 Fungicide in sufficient water to obtain adequate coverage of foliage as a directed band spray over the crop. Spray volume usually will range from 200 to 600 litres per hectare.
APPLICATION METHOD	Foliar spray
APPLICATION TIMING	The first application is to be made preventatively or at the first sign of disease symptoms. All subsequent applications are to be applied at 7-day intervals.
APPLICATION INTERVAL	7 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	For white mould, no more than 3 sequential applications before rotation with a non-Group 29 fungicide. 4 applications per year for control of Alternaria leaf blight.
PRE-HARVEST INTERVAL (PHI)	7 days
NOTES	DO NOT apply by air.

11.6 Apple

CROP	Apple
DISEASE CONTROLLED	Apple Scab (<i>Venturia inaequalis</i>) Flyspeck (<i>Schizothyrium pomi</i>) Sooty blotch (<i>Gloeodes pomigena</i>)
USE RATE	0.75 – 1.0 L/ha
DISEASES SUPPRESSED	Two-spotted spider mite (<i>Tetranychus urticae</i>) European red mite (<i>Panonychus ulmi</i>) Apple rust mite (<i>Aculus schlechtendali</i>)
USE RATE	0.75 – 1.0 L/ha
APPLICATION METHOD	Foliar application
APPLICATION TIMING	A7087 should be applied as a broadcast spray on a preventative basis. For apple scab control, begin applications at green tip or when conditions are favorable for primary scab development. All subsequent applications are to be made at 7 to 14-day intervals. The higher rate and shortest intervals should be used for more susceptible varieties and/or heavy disease pressure. For control of flyspeck and sooty blotch, begin applications before disease occurs and continue on a 7- to 14-day schedule. Use the higher rate and shorter interval when disease pressure is high. For diseases and mites that are only suppressed, use the high rate of 1.0 L/ha and make applications on a 7-day interval.
SPRAY VOLUME	minimum of 1000 litres per hectare
APPLICATION INTERVAL	7 – 14 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	5 No more than 3 sequential applications of A7087 before alternating to another fungicide belonging to a different chemical family.
PRE-HARVEST INTERVAL (PHI)	28 days
NOTES	DO NOT apply by air.

11.7 Field Pepper

CROP	Field Pepper
DISEASE SUPPRESSED	Phytophthora Blight (<i>Phytophthora capsici</i>)
USE RATE	1.7 L/ha
SPRAY VOLUME	280 – 560 L/ha water
APPLICATION METHOD	Soil drench and/or foliar, broadcast, ground application only
APPLICATION TIMING	Applications should begin at transplant. The initial application may be by soil drench or foliar application. All subsequent applications should be foliar, spraying the foliage, stem and plant base.
APPLICATION INTERVAL	7 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	3 No more than 3 sequential applications of A7087 Fungicide before alternating to another fungicide belonging to a different chemical family.
PRE-HARVEST INTERVAL (PHI)	30 days
NOTES	DO NOT apply by air.

11.8 Crop Subgroup 3-07A – Bulb Onion

CROP	Bulb onion (Crop Subgroup 3-07A)
DISEASES SUPPRESSED	Purple blotch (<i>Alternaria porri</i>) Botrytis leaf blight (<i>Botrytis squamosa</i>)
USE RATE	1.16 L/ha
SPRAY VOLUME	Use a sufficient water volume to ensure thorough coverage of the crop but no less than 100 L per hectare are recommended.
APPLICATION METHOD	Foliar, broadcast.
APPLICATION TIMING	Initiate applications when conditions are favourable for disease development or when first disease symptoms appear.
APPLICATION INTERVAL	7 – 10 days
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	5 No more than 3 sequential applications of A7087 before alternating to another fungicide belonging to a different chemical family.
RESTRICTED-ENTRY INTERVAL (REI)	DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days for hand weeding.
PRE-HARVEST INTERVAL (PHI)	7 days
NOTES	DO NOT apply by air.

11.9 Lowbush Blueberry

CROP	Lowbush Blueberry
DISEASE SUPPRESSED	Valdensinia leaf spot (<i>Valdensinia heterodoxa</i>)
USE RATE	0.4 – 0.8 L/ha
SPRAY VOLUME	300 – 1000 L/ha water
APPLICATION METHOD	Foliar spray, ground application only
APPLICATION TIMING	Begin applications at early bloom or at first symptoms in fruiting fields and at an equivalent time in sprout fields. Use the shorter interval and higher rate of application when disease pressure is high. Good spray coverage into the canopy is essential for good disease management.
APPLICATION INTERVAL	7 – 14 days
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	4
PRE-HARVEST INTERVAL (PHI)	30 days
NOTES	For use in Eastern Canada only DO NOT apply by air.

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that A7087 Fungicide contains fluazinam, a Group 29 fungicide. Any fungal population may contain individuals naturally resistant to this product and other Group 29 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:

For resistance management, please note that A7087 Fungicide contains a Group 29 fungicide which is considered to have a low risk of resistance development. However, as a general principle, it is recommended not to rely exclusively on the same product for pest control. To prolong effectiveness of this product, the following resistance management strategies should be followed:

If more than one application per year is permitted, follow Use Directions regarding the maximum number of sequential applications. Switch to a fungicide with a different mode of action after making the maximum number of consecutive sprays of A7087 Fungicide or other Group 29 fungicides.

Use tank mixtures with fungicide 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 resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to A7087 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 site of action, if available.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

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