

CAPTAN L

FUNGICIDE

SUSPENSION

COMMERCIAL – AGRICULTURAL

ACTIVE INGREDIENT:

Captan 482 g/L

Contains 1,2-benzisothiazolin-3-one at 0.02% as a preservative.

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

POTENTIAL SKIN SENSITIZER

REGISTRATION NUMBER: **35343**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 – 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 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.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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.

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

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

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

DO NOT enter or allow worker entry into treated areas during the restricted entry intervals (REIs) on the booklet label.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, goggles and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.

Goggles and gloves are not required to be worn inside the cockpit. Respirators are also not required to be worn inside the cockpit as long as it is equipped with an air filtration mechanism.

When applying using groundboom, use a closed mixing/loading system or a closed-cab sprayer when handling more than 46 kg a.i./day (95 L of product). When applying using airblast, use a closed mixing/loading system or a closed-cab sprayer when handling more than 10.9 kg a.i./day (22 L of product).

The closed cab must have a chemical-resistant physical barrier and respiratory protection (i.e. dust/mist filtering and/or vapour/gas purification system) that totally surrounds the occupant and prevents contact with pesticides outside the cab. Respirators, goggles, and gloves are not required to be worn inside the closed cab but need to be available for exiting the cab.

When applying using open-cab airblast equipment or for overhead spray, also wear chemical-resistant headgear. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection.

When applying using a mechanically-pressurized handgun, also wear coveralls over a long-sleeved shirt and long pants. Also, when applying using a mechanically-pressurized handgun, do not handle more than 0.71 kg a.i. (1.5 L of product) per person per day. These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to small wild mammals. Toxic to aquatic organisms. 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.

7.0 STORAGE

Store this product away from food and feed.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial 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.
2. Make the empty, rinsed container unsuitable for further use.

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For Returnable Containers:

Do not reuse this container for any purpose. For disposal, the 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.

***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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1.0 NOTICE TO USER

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

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

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically.

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KEEP OUT OF REACH OF CHILDREN.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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.

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

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) on the label. Employers should make every effort to schedule pesticide applications and worker tasks in order to avoid early entry of workers into treated areas. Under exceptional circumstances, certified pesticide applicators may enter treated areas for short-term tasks not involving hand labour if at least 4 hours have passed since application and a long-sleeved shirt, long pants,

rubber boots, socks, goggles, chemical-resistant gloves and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides is worn. Time spent in the treated area cannot exceed 1 hour in a 24-hour period or until restricted entry interval is over.

DO NOT enter or allow worker entry into treated areas during the intervals specified in the following table:

Crop	Activity	REI ^a and/or PHI ^b
Rhubarb (in forcing sheds)	Harvesting	8 days
	All other activities	12 hours
Apple and pear orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach center or trunk from the row alley). These tree architectural restrictions are to minimize worker contact with treated foliage.	Hand thinning fruit, hand harvesting	15 days
	Mechanically-assisted harvesting	8 days
	Hand pruning, training	6 days
	All other activities	2 days
Non-High-Density Apple and Pear Orchards: Apple and pear orchards that do not meet the requirements specified for high-density apple and pear orchards.	Hand thinning fruit	24 days
	Hand harvesting	19 days
	Mechanically-assisted harvesting	8 days
	Hand pruning, training	4 days
	All other activities	2 days
Cherry, peach, plum, prune, apricot, nectarine trees	Hand thinning fruit	29 days
	Hand harvesting	15 days
	Mechanically-assisted harvesting	8 days
	All other activities	1 day
Grape	Turning, girdling	78 days
	Hand harvesting, training (full foliage), tying (full foliage), leaf pulling by hand	55 days
	Mechanically-assisted harvesting	8 days
	All other activities	12 hours
Cucumber (field grown)	Hand set/ hand line irrigation related activities involving foliage contact	10 days
	Harvesting	8 days
	Training, tying	3 days
	All other activities	12 hours
Potato	Harvesting	8 days
	Hand set/ hand line irrigation related activities involving foliage contact	7 days
	Rogueing	6 days
	All other activities	12 hours
Tomato (field grown – foliar applications)	Hand set/ hand line irrigation related activities involving foliage contact	10 days
	Harvesting	8 days
	Training, tying	7 days
	All other activities	12 hours
Strawberry (field grown)	Hand set/ hand line irrigation related activities involving foliage contact	9 days
	Harvesting	8 days
	All other activities	12 hours
Raspberry	Harvesting	8 days

	Hand set/ hand line irrigation related activities involving foliage contact	7 days
	Training / tying (full foliage)	6 days
	All other activities	12 hours
Highbush blueberry, blackberry, loganberry	Harvesting	8 days
	Hand set/ hand line irrigation related activities involving foliage contact	6 days
	Training / tying (full foliage)	5 days
	All other activities	12 hours
Lowbush blueberry	Harvesting	8 days
	Hand set/ hand line irrigation related activities involving foliage contact	6 days
	All other activities	3 days
Ginseng	Harvesting	20 days
	Hand set/ hand line irrigation related activities involving foliage contact	7 days
	All other activities	12 hours
^a REI = Restricted-Entry Interval. REIs longer than 12 hours apply to hand labour tasks. ^b PHI = Preharvest Interval.		

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

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

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, goggles and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.

Goggles and gloves are not required to be worn inside the cockpit. Respirators are also not required to be worn inside the cockpit as long as it is equipped with an air filtration mechanism.

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The closed cab must have a chemical-resistant physical barrier and respiratory protection (i.e. dust/mist filtering and/or vapour/gas purification system) that totally surrounds the occupant and prevents contact with pesticides outside the cab. Respirators, goggles, and gloves are not required to be worn inside the closed cab but need to be available for exiting the cab.

When applying using open-cab airblast equipment or for overhead spray, also wear chemical-resistant headgear. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection.

When applying using a mechanically-pressurized handgun, also wear coveralls over a long-sleeved shirt and long pants. Also, when applying using a mechanically-pressurized handgun, do not handle more than 0.71 kg a.i (1.5 L of product) per person per day. These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

Change contaminated clothing daily and wash thoroughly before re-use. Wash hands, face and arms thoroughly after handling CAPTAN L and before drinking, eating or smoking. Shower after use or at the end of the work day. Wash clothing and gloves before re- use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of operating area or vicinity where there may be drift.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to small wild mammals. Toxic to aquatic organisms. 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.

7.0 STORAGE

Store this product away from food and feed.

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For Refillable Containers:

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

9.0 PRODUCT INFORMATION

CAPTAN L is an aqueous suspension suitable for dilution in water as a spray for the control of certain fungal diseases of fruit and vegetables. CAPTAN L is also useful as a soil treatment for the control of certain seed-rots and damping-off diseases.

When used at high rates or in drenching sprays, CAPTAN L may cause a necrotic spotting of tender, immature leaves of certain varieties of apples, peaches, plums, and cherries. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid hazard of leaf spotting under such conditions, use CAPTAN L and other spray materials at lowest recommended rates and avoid drenching trees.

9.1 General Use Precautions

Observe use limitation given on the label for specific crops. Regulations of Health Canada have established the amounts of agricultural chemicals that are permitted to remain on food crops at time of harvest. To avoid exceeding these residue tolerances, use only the recommended amounts and do not spray nearer to harvest than the number of days indicated for each crop, or not later than the stage indicated. Consult local agricultural authorities for additional information such as the timing and number of applications needed which will vary with local conditions.

10.0 DIRECTIONS FOR USE**10.1 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.

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 1-877-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of CAPTAN L. Do not apply CAPTAN L in combination with or immediately before or closely following oil sprays. Combinations with solvent formulation of organic phosphates should not be used. The use of spreaders which cause excessive wetting is not advised. Combinations of CAPTAN L and sulfur should not be used on crops sensitive to sulfur.

10.2 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 Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

10.2.1 Mixing Instructions

1. Before using, mix contents of the container thoroughly to ensure the product is suspended.
2. Fill the spray tank to at least $\frac{1}{2}$ capacity with clean water and begin agitation.
3. Pour recommended amount of CAPTAN L into the spray tank.
4. Before adding any optional tank mix partners, add more water and add the partner according to product labels.
5. Add balance of water.
6. Maintain agitation during filling and spraying operations. Do not allow mixture to stand.
7. Use a screen not finer than 50 mesh in entire system.

10.3 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.

10.4 Aerial Application

10.4.1 General Information

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. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

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

10.4.2 Operator Precautions

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.

10.4.3 Pilot Precautions

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

10.4.4 Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-87-SYNGENTA (1-877-964-3682) or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum spray volume of 50.0 litres per hectare.

10.4.5 Mixing Instructions

1. Before using, mix contents of the container thoroughly to ensure the product is suspended.
2. Fill the spray tank to at least $\frac{1}{2}$ capacity with clean water and begin agitation.
3. Pour recommended amount of CAPTAN L into the spray tank.
4. Before adding any optional tank mix partners, add more water and add the partner according to product labels.
5. Add balance of water.
6. Maintain agitation during filling and spraying operations. Do not allow mixture to stand.
7. Use a screen not finer than 50 mesh in entire system.

10.5 Spray Buffer Zones

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label. The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitats of Depths:		Estuarine/Marine Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Highbush or lowbush blueberry, blackberry, loganberry		2	1	5	2
	Ginseng, raspberry		2	1	5	3
	Strawberry		3	1	5	3
	Cucumber, tomato, potato		3	1	10	4
Airblast	Highbush or lowbush blueberry, blackberry, loganberry	Early Growth Stage	25	3	35	30
		Late Growth Stage	15	2	25	20
	Raspberry	Early Growth Stage	25	3	40	30
		Late Growth Stage	20	2	30	20
	Apple and pear orchards, grape	Early Growth Stage	30	4	40	30
		Late Growth Stage	20	2	30	20
	Peach, plum, prune, apricot, nectarine, cherry trees.	Early Growth Stage	30	5	40	35
		Late Growth Stage	20	3	35	25
	Highbush or lowbush blueberry	Fixed Wing	40	1	250	50
		Rotary Wing	30	1	125	40
Aerial	Apple and pear orchards	Fixed Wing	55	1	275	70
		Rotary Wing	40	1	150	50
	Grape	Fixed Wing	65	1	325	85
		Rotary Wing	45	1	175	55
	Strawberry	Fixed Wing	80	1	350	100
		Rotary Wing	55	1	175	70
	Peach, plum, prune, apricot, nectarine trees	Fixed Wing	85	3	300	125
		Rotary Wing	55	1	175	75
	Cherry trees	Fixed Wing	85	3	300	125
		Rotary Wing	60	1	175	75
	Potatoes	Fixed Wing	90	3	350	125
		Rotary Wing	60	1	175	75

		Rotary Wing	60	1	175	75
	Cucumber, tomato	Fixed Wing	100	5	350	150
		Rotary Wing	70	2	200	90

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 Buffer Zone Calculator on the Pesticides portion of the Canada.ca web site.

11.0 CROP USE DIRECTIONS

11.1 Fruit Crops

11.1.1 Apple

CROP	Apple
DISEASES CONTROLLED	Scab (<i>Venturia inaequalis</i>) - Sooty Blotch (<i>Peltaster fruticola</i> , <i>Leptodontium elatuius</i> and <i>Gaeastrum polystigmatis</i>), Fly Speck (<i>Schizothyrium pomi</i>), Brook's Spot (<i>Mycosphaerella pomi</i>), Bitter Rot (<i>Colletotrichum gloeosporioides</i> and <i>C. acutatum</i>), Black Rot (<i>Botryosphaeria obtusa</i>) and Bull's Eye Rot (<i>Gloeosporium perennans</i>)
USE RATE	Apply 5 L/ha (2.4 kg a.i./ha) under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 5 L/ha (2.4 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Initiate applications preventatively before infection becomes established.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	<p>Early season sprays may cause necrotic spotting to foliage of Red Delicious, Winesap and other sensitive varieties.</p> <p>High-Density Apple Orchards: Orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach centre or trunk from the row alley). Do not use more than 10 applications per year.</p> <p>Non-High-Density Apple Orchards: Do not use more than 2 applications per year. When hand thinning is performed, make 1 application before hand thinning fruit and 1 application after hand thinning fruit.</p>

11.1.2 Apricot

CROP	Apricot
DISEASES CONTROLLED	Brown Rot (<i>Monilinia fructicola</i>)
USE RATE	Apply 6.64 L/ha (3.2 kg a.i./ha) under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 6.64 L/ha (3.2 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than one application per year.

11.1.3 Cherries (Sour, Sweet)

CROP	Cherries (Sour, Sweet)
DISEASES CONTROLLED	Brown Rot (<i>Monilinia fructicola</i>) and Leaf Spot (Shot Hole) (<i>Blumeriella jaapii</i>)
USE RATE	Apply 6.64 L/ha (3.2 kg a.i./ha) under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 6.64 L/ha (3.2 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than one application per year.
NOTES	Leaf injury may result to the Schmidt and Emperor Francis varieties of sweet cherry in post-bloom sprays.

11.1.4 Peach and Nectarine

CROP	Peach and Nectarine
DISEASES CONTROLLED	Brown Rot (<i>Monilinia fructicola</i>) and Scab (<i>Cladosporium carpophilus</i>)
USE RATE	Apply 6.64 L/ha (3.2 kg a.i./ha) under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 6.64 L/ha (3.2 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.

APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than one application per year.

11.1.5 Pear

CROP	Pear
DISEASES CONTROLLED	Scab (<i>Venturia pirina</i>) and Sooty Blotch (<i>Peltaster fruticola</i>, <i>Leptodontium elatuius</i> and <i>Geastrumia polystigmatis</i>)
USE RATE	Apply 5 L/ha (2.4 kg a.i./ha) under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 5 L/ha (2.4 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Initiate applications preventatively before infection becomes established.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	<p>Do not use on D'Anjou pears.</p> <p>High-Density Pear Orchards: Orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach centre or trunk from the row alley). Do not use more than 10 applications per year.</p> <p>Non-High-Density Pear Orchards: Do not use more than 2 applications per year. When hand thinning is performed, make 1 application before-hand thinning fruit and 1 application after hand thinning fruit.</p>

11.1.6 Plum, Prune

CROP	Plum, Prune
DISEASES CONTROLLED	Black Knot (<i>Apiosporina morbosa</i>) and Brown Rot (<i>Monilinia fructicola</i>)
USE RATE	Apply 6.64 L/ha (3.2 kg a.i./ha) under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 6.64 L/ha (3.2 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than one application per year.

11.1.7 Grape

CROP	Grape
DISEASES CONTROLLED	Dead Arm (<i>Phomopsis viticola</i>) (Current Season's Infections)
USE RATE	Use 3.3 L/ha (1.6 kg a.i./ha).
APPLICATION TIMING	Apply when new shoots are 1 to 5 centimetres long and again when 10 to 15 centimetres long.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than 2 applications per year for dead arm.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
DISEASES CONTROLLED	Downy Mildew (<i>Plasmopara viticola</i>) and Black Rot (<i>Guignardia bidwellii</i>)
USE RATE	Use 3.3 – 5 L/ha (1.6 – 2.4 kg a.i./ha).
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than 1 application per year for downy mildew or black rot.

11.1.8 Raspberry

CROP	Raspberry
DISEASES CONTROLLED	Fruit Rot (<i>Botrytis cinerea</i>) and Spur Blight (<i>Didymella applanata</i>)
USE RATE	Use 4.15 L of product (2 kg a.i.) in 1,000 litres of water per hectare.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	Do not apply by air.

11.1.9 Blackberry

CROP	Blackberry
DISEASES CONTROLLED	Fruit Rot (<i>Botrytis cinerea</i>)
USE RATE	Use 3.73 L of product (1.8 kg a.i.) in 1,000 litres of water per hectare.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	Do not apply by air.

11.1.10. Loganberry

CROP	Loganberry
DISEASES CONTROLLED	Cane Spot (<i>Elsinoë veneta</i>), Fruit Rot (<i>Botrytis cinerea</i>), Leaf Spot (<i>Septoria rubi</i>) and Spur Blight (<i>Didymella applanate</i>)
USE RATE	Use 2.5 – 3.73 L (1.2 – 1.8 kg a.i) in 1,000 litres water per hectare.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	Do not apply by air.

11.1.11. Blueberry

CROP	Blueberry
DISEASES CONTROLLED	Fruit Rot (<i>Botrytis cinerea</i>) and Mummy Berry (<i>Monilinia vaccinii-corymbosi</i>)
USE RATE	Use 3.73 L (1.8 kg a.i) of product in 1,000 litres per hectare.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.

11.1.12. Strawberry

CROP	Strawberry
DISEASES CONTROLLED	Gray-Mold Rot (<i>Botrytis cinerea</i>) and Leaf Spot (<i>Mycosphaerella fragariae</i>)
USE RATE	Apply 5.8 L/ha (2.8 kg a.i./ha) under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix CAPTAN L at the 5.8 L/ha (2.8 kg a.i./ha) rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Use 1,000 litres water per hectare.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	DO NOT use on greenhouse strawberry.

11.1.13. Rhubarb (in forcing sheds)

CROP	Rhubarb (in forcing sheds)
DISEASES CONTROLLED	Grey Mold (<i>Botrytis cinerea</i>)
USE RATE	Use 2.1 - 3.3 L (1 - 1.6 kg a.i.) of product in 1,000 litres water. Maximum spray volume of 150 L/ha.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 6 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	Do not apply by air.

11.2 Vegetable Crops

11.2.1 Cucumber

CROP	Cucumber
DISEASES CONTROLLED	Anthrachnose (<i>Colletotrichum orbiculare</i>) and Scab (<i>Cladosporium cucumerinum</i>)
USE RATE	Use 3.73 – 7 L/ha (1.8 – 3.4 kg a.i./ha) in sufficient water for thorough coverage. Use 3.73 – 5.4 L (1.8 – 2.6 kg a.i.) of product on young plants, 5.4 – 7 L (2.6 – 3.4 kg a.i.) on mature plants.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 3 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	DO NOT use on greenhouse cucumber.

11.2.2 Potato

CROP	Potato
DISEASES CONTROLLED	Early Blight (<i>Alternaria solani</i>) and Late Blight (<i>Phytophthora infestans</i>)
USE RATE	Use 4.15 - 6.22 L/ha (2 -3 kg a.i./ha) in sufficient water for thorough coverage.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 3 applications per year.

APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
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11.2.3 Tomato

CROP	Tomato
DISEASES CONTROLLED	Anthracnose (<i>Colletotrichum</i> spp.) and Septoria Leaf Spot (<i>Septoria lycopersici</i>)
USE RATE	Use 4.56 - 7 L/ha (2.2 – 3.4 kg a.i./ha) in sufficient water for thorough coverage.
APPLICATION METHOD	May be applied by conventional ground equipment or aircraft. Refer to aerial application instructions.
APPLICATION TIMING	Apply preventatively, when conditions are favourable to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not make more than 3 applications per year.
APPLICATION INTERVAL	Apply at a minimum of a 7-day interval.
NOTES	DO NOT use on greenhouse tomato.

12.0 MINOR USES

NOTICE 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.

12.1 Ginseng

CROP	Ginseng
DISEASES CONTROLLED	For the control of Rhizoctonia root rot (<i>Rhizoctonia solani</i>), Pythium root rot and damping-off (<i>Pythium</i> spp.), Phytophthora root rot (<i>Phytophthora cactorum</i>) and Grey mould (<i>Botrytis cinerea</i>) and suppression of Cylindrocarpon root rot (<i>Cylindrocarpon destructans</i>)
RATE	Apply CAPTAN L as a broadcast foliar spray at a rate of 4.15 L/ha (2.0 kg a.i./ha) in a spray volume of 935 to 1871 L water/ha. The application rate should be based on 4.15 L product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 1000 litres of water per hectare, thoroughly mix 4.15 L of product in 1000 litres of water and apply thorough coverage of all above-ground plant surfaces for optimal disease control. Use care in mixing and application to avoid exceeding rates of 4.15 L product per hectare regardless of spray volume.
APPLICATION METHOD	Ground applications only

APPLICATION TIMING	Begin applications prior to disease onset, when conditions are conducive to disease development.
MAXIMUM NUMBER OF APPLICATIONS PER YEAR	Do not apply more than 8 applications per year.
APPLICATION INTERVAL	Minimum interval of 7 days

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that CAPTAN L contains a Group M04 fungicide. Any fungal population may contain individuals naturally resistant to CAPTAN L and other Group M04 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 CAPTAN L or other Group M04 fungicides with different groups that control the same pathogens.

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 resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to CAPTAN L 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.

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 Syngenta Canada Inc. company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.