

2024-5149
2024-10-28

[CONTAINER LABEL]

GROUP		FUNGICIDE
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SHARDA CAPTAN 48 SC

Fungicide

SUSPENSION

COMMERCIAL

(AGRICULTURAL)

ACTIVE INGREDIENT: Captan..... 480 g/L
Contains 1,2-benzisothiazolin-3-one at 0.01% as a preservative

REGISTRATION NO. 32300 PEST CONTROL PRODUCTS
ACT

READ THE LABEL BEFORE USING

KEEP OUT OF THE REACH OF CHILDREN

CAUTION: Exposure to Captan may produce long term health effects. To minimize exposure, follow directions outlined on this label.

POISON



DANGER
CORROSIVE TO
EYES
POTENTIAL SKIN
SENSITIZER

NET CONTENTS: 1-100 Litres

Sharda Cropchem Limited
2nd Floor, Prime Business Park
Dashrathlal
Joshi Road
VileParle (west), Mumbai - 400056
India

Canadian Agent:
Sharda Cropchem Limited
63 Kingsview Blvd
Etobicoke, Ontario, CA
M9R1V1
1-844-810-5720.
1-416-840-5639

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Avoid breathing sprays. Do not breathe spray mist. **CORROSIVE** to the eye. **DO NOT** get in eyes. Potential skin sensitizer. Avoid spilling on skin or clothing. Never handle material with bare hands. Change contaminated clothing daily and wash thoroughly before re-use. Wash hands, face and arms thoroughly after handling Sharda Captan 48 SC 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.

For all activities, except those related to flower bulb dip treatment:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, protective eyewear (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.

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 groundboom sprayer and handling more than 46 kg a.i. (96 L product) per person per day **OR** when applying using an airblast sprayer and handling more than 10.9 kg a.i. (23 L product) per person per day, use a closed mixing/loading system or a closed-cab tractor.

A closed system means removing a pesticide from its original container, rinsing, mixing, diluting, and transferring the pesticide through connecting hoses and couplings that prevent exposure to the pesticide. 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. A respirator, 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 a mechanically-pressurized handgun, **DO NOT** handle more than 0.71 kg a.i. (1.5 L product) per person per day and wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, protective eyewear (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.

These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

When preparing flower bulb dip solutions and for all related cleaning and repair tasks:

Workers must wear chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, protective eyewear (goggles or face shield), socks and chemical-resistant footwear. When handling treated bulbs and when touching surfaces that have contacted or may have been contaminated by the dipping solution, workers must wear long-sleeved shirt, long pants, chemical-resistant gloves, protective eyewear (goggles or face shield), socks and shoes.

Application is limited to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Consult all tank mix partners' labels and follow the most stringent label precautions, restrictions and directions for use.

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

FIRST AID

If Swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If 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.

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.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

Toxic to small wild mammals.

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater 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.

STORAGE

Store this product away from food or feed. Product freezing temperature 0°C. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeat freezing-thawing cycles may impair utility.

DISPOSAL

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/territorial requirements.

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.

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.

[BOOKLET LABEL]

GROUP	M04	FUNGICIDE
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SHARDA CAPTAN 48 SC

Fungicide

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COMMERCIAL

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NET CONTENTS: 1-100 Litres

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For all activities, except those related to flower bulb dip treatment:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, protective eyewear (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.

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 groundboom sprayer and handling more than 46 kg a.i. (96 L product) per person per day **OR** when applying using an airblast sprayer and handling more than 10.9 kg a.i. (23 L product) per person per day, use a closed mixing/loading system or a closed-cab tractor.

A closed system means removing a pesticide from its original container, rinsing, mixing, diluting, and transferring the pesticide through connecting hoses and couplings that prevent exposure to the pesticide. 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. A respirator, 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 a mechanically-pressurized handgun, **DO NOT** handle more than 0.71 kg a.i. (1.5 L product) per person per day and wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, protective eyewear (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.

These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

When preparing flower bulb dip solutions and for all related cleaning and repair tasks:

Workers must wear chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, protective eyewear (goggles or face shield), socks and chemical-resistant footwear. When handling treated bulbs and when touching surfaces that have contacted or may have been contaminated by the dipping solution, workers must wear long-sleeved shirt, long pants, chemical-resistant gloves, protective eyewear (goggles or face shield), socks and shoes.

Application is limited to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Consult all tank mix partners' labels and follow the most stringent label precautions, restrictions and directions for use.

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
Greenhouse ornamentals ^c (non-cut flower): foliar applications to aster, camellia, carnation, chrysanthemum, dahlia, lilac, rose and tulip	All activities	12 hours
Soil and greenhouse bench treatment (soil treatment): seedlings or transplants of roses and other flowers, shrubs, trees, lawn seedbeds, beans, celery, crucifers, eggplants, peas, tomatoes, pepper	All 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 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
	Hand or mechanically-assisted harvesting	8 days
	All other activities	12 hours
Raspberry	Hand or mechanically-assisted 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
Outdoor Ornamentals: Foliar (cut flower)	Harvesting, disbudding, hand pruning (full foliage)	7 days
	All other activities	1 day
Outdoor Ornamentals: Foliar (non-cut flower)	Harvesting, disbudding, hand pruning (full foliage)	4 days
	All other activities	12 hours
Turf (sod farms)	All activities	12 hours

Turf (golf course)	All activities	Until sprays have dried
^a REI = Restricted-Entry Interval. REIs longer than 12 hours apply to hand labour tasks. ^b PHI = Preharvest Interval. ^c Only applies to non-cut flower, as there is a label statement that will prohibit the use on cut flowers.		

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

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

FIRST AID

If Swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If 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.

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.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

Toxic to small wild mammals.

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater 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.

STORAGE

Store this product away from food or feed. Product freezing temperature 0°C. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeat freezing-thawing cycles may impair utility.

DISPOSAL

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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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.

PRODUCT INFORMATION

Sharda Captan 48 SC is an aqueous suspension suitable for use in water as a spray for the control of certain fungal diseases of fruit and vegetables.

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.

DO NOT allow releases, effluent, or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

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.

DO NOT apply by air.

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 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	Outdoor ornamentals (cut and non-cut flowers)		2	1	4	2
	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
	Turf (golf course, sod farms only)		5	1	10	5
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, cherry trees.	Early growth stage	30	5	40	35
	Late growth stage	20	3	35	25

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.

USE PRECAUTIONS

This formulation is not suitable for use as a seed protectant. Observe use limitations 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.

Consult local agricultural authorities for additional information as the timing and number of applications needed will vary with local conditions. 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 enter or allow worker entry into treated areas during the restricted entry intervals REI(s) specified on the booklet label.

COMPATIBILITY AND PLANT SAFETY

Sharda Captan 48 SC can be used safely and effectively at recommended rates with most of the commonly used insecticides and fungicides with the exception of oil and strongly alkaline materials. Do not apply Sharda Captan 48 SC in combination with or immediately before or closely following oil sprays. Combinations with solvent formulations of organic phosphates should not be used. Do not combine with emulsifiable liquids, or wettable powders unless previous experience has proven physically compatible and safe to plants. The use of spreaders which cause excessive wetting is not advised. Combinations of Sharda Captan 48 SC and sulfur should not be used on crops sensitive to sulfur.

Used at high rates or in drenching sprays, Sharda Captan 48 SC may cause a necrotic spotting of tender, immature leaves of certain varieties of apple, 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 the hazard of leaf spotting under such conditions, use Sharda Captan 48 SC and other spray materials at lowest recommended rates and avoid drenching trees.

MIXING DIRECTIONS

Apply by ground equipment only. Before using mix contents thoroughly - stir or roll. Pour recommended amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system.

DO NOT apply by air.

APPLICATION RATES

Unless otherwise stated, product rates on this label are given in terms of Sharda Captan 48 SC per 1,000 litres of water.

High Density Apple Orchards: 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.

Non-High Density Apple Orchards: Orchards that don't meet the requirements specified for high density orchards.

APPLE . For control of Primary Scab Infection (*Venturia inaequalis*) and Bull's Eye Rot (*Gloeosporium perennans*): Apply in a concentration of 2.5 litres product per 1000 L water (1.2 kg a.i./1000 L water).

For control of Secondary Scab Infection (*Venturia inaequalis*), Sooty Blotch (*Gloeodius pomigena*), Fly Speck (*Zygothiala jamaicensis*), Brook's Spot (*Mycosphaerella pomi*), Bitter Rot (*Colletotrichum gloeosporioides*) and Black Rot (*Botryosphaeria obtuse*): Apply in a concentration of 1.0-2.5 litres product per 1000 L water (0.5-1.2 kg a.i./1000 L water). Use the highest concentration in situations where high disease pressure is anticipated.

Initiate applications preventatively before infection becomes established.

Apply if rainy periods occur prior to harvest. Consult provincial spray calendar for timing of applications. Do not apply within 7 days of harvest. Early season sprays may cause necrotic spotting to foliage of Red Delicious, Winesap and other sensitive varieties.

DO NOT EXCEED 5 litres product /ha (2.4 kg a.i./ha) in a single application.

For high density apple orchards: apply a maximum of 10 applications per year with a minimum re-application interval of 7 days.

For non-high density apple orchards: Apply a maximum of 2 applications/year, with a minimum re-application interval of 7 days. When hand thinning is performed, make one application prior and one application post hand thinning.

If disease pressure is high or conditions are conducive for high disease pressure, either tank mix SHARDA CAPTAN 48 SC at the 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.

PEAR: Control of: Scab (*Venturia pirina*) and Sooty Blotch (*Peltaster fruticola*, *Leptodontium elatuius* and *Geastrumia polystigmatis*) - Do not use on D'Anjou pears. Initiate applications preventatively before infection becomes established. Apply 5.02 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 **SHARDA CAPTAN 48 SC** at the 5.02 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. Apply at a minimum of a 7-day interval. Do not apply by air.

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.

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.

APRICOTS: For control of Brown Rot (*Monilinia fructicola*) or Twig Blight (*Monilinia fructicola*) - Apply in a concentration of 2.1-2.5 litres of product per 1000 L water (1.0-1.2 kg a.i./1000 L water). Apply preventatively when conditions are favorable for disease development. May be applied up to 2 days before harvest. Do not apply by air.

DO NOT EXCEED 6.6 litres of product /ha (3.2 kg a.i./ha) in a single application.

If disease pressure is high or conditions are conducive for high disease pressure, either tank mix SHARDA CAPTAN 48 SC at the 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.

MAXIMUM of one application per year. An application can be made, starting as soon as pink bud up to 2 days before harvest.

CHERRIES (Sour, Sweet): For control of Brown Rot (*Monilinia fructicola*),

Leaf Spot (Shot-Hole) (*Wilsonomyces carpophilus*) (–: Apply in a concentration of 2.1-5.0 litres of product per 1000 L water (1.0-2.4 kg a.i./1000 L water). Apply preventatively when conditions are favorable for disease development. Do not apply by air. Use the highest concentration in situations where high disease pressure is anticipated. May be applied up to 2 days before harvest of sweet cherries. May be applied up to 5 days before harvest of sour cherries. DO NOT EXCEED 6.6 litres of product /ha (3.2 kg a.i./ha) in a single application.

If disease pressure is high or conditions are conducive for high disease pressure, either tank mix SHARDA CAPTAN 48 SC at the 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.

One application can be made, starting as soon as pink bud up to harvest, and one application can be applied immediately after harvest.

MAXIMUM of two applications per year with one of the applications to occur after harvest.

GRAPES: For control of Black Rot (*Guignardia bidwellii*) - Apply in a concentration of 2.1-2.5 litres of product per 1000 L water (1-1.2 kg a.i./1000 L water). Application can be made just before bloom, just after bloom and in first cover. Do not apply by air. Apply preventatively when conditions are favorable for disease development. Use the highest concentration in situations where high disease pressure is anticipated. Application can be made up to 7 days before harvest.

DO NOT EXCEED 5.0 litres of product /ha (2.4 kg a.i./ha) in a single application.

MAXIMUM of 1 application per year is allowed.

PEACHES: For control of Brown Rot (*Monilinia fructicola*) and Scab (*Cladosporium carpophilum*) (- Apply in a concentration of 2.1-2.5 litres of product per 1000 L water (1.0-1.2 kg a.i./1000 L water). Apply preventatively when conditions are favorable for disease development.

DO NOT EXCEED 6.6 litres of product /ha (3.2 kg a.i./ha) in a single application.

If disease pressure is high or conditions are conducive for high disease pressure, either tank mix SHARDA CAPTAN 48 SC at the 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.

MAXIMUM of one application per year. An application can be made starting as soon as pink bud up to 2 days before harvest. Do not apply by air.

PLUMS, PRUNES: For control of Brown Rot (*Monilinia fructicola*), Apply in a concentration of 2.1-2.5 litres of product per 1000 L water (1-1.2 kg a.i./1000 L water). Apply preventatively when conditions are favorable for disease development.

Use the highest concentration in situations where high disease pressure is anticipated.

Do not apply by air.

DO NOT EXCEED 6.6 litres of product /ha (3.2 kg a.i./ha) in a single application.

If disease pressure is high or conditions are conducive for high disease pressure, either tank mix SHARDA CAPTAN 48 SC at the 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.

MAXIMUM of one application per year. An application can be made starting as soon as pink bud up to 2 days before harvest.

STRAWBERRIES: For control of Botrytis Fruit Rot (*Botrytis cinerea*) - Use 2.3 to 3.5 litres of product in 500 litres of water (1.12-1.7 kg a.i./500 L water). Make first application when new growth starts in the spring before the fruit forms. Apply preventatively, when conditions are favourable to disease development. Observe a minimum re-application interval of 7 days. May be applied up to 2 days before harvest. Do not apply by air. Apply 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 SHARDA CAPTAN 48 SC at the 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. **DO NOT** use on greenhouse strawberry.

DO NOT EXCEED 5.8 litres of product /ha (2.8 kg a.i./ha) in a single application.

MAXIMUM of 6 applications per year.

RASPBERRY: Control of: Fruit Rot (*Botrytis cinerea*) and Spur Blight (*Didymella applanate*) - Use 4.17 L of product (2 kg a.i) in 1,000 litres of water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. Do not apply by air.

BLACKBERRY: Control of: Fruit Rot (*Botrytis cinerea*) - Use 3.75 L of product (1.8 kg a.i.) in 1,000 litres of water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6

applications per year. Do not apply by air.

LOGANBERRY: Control of: Cane Spot (*Elsinoë veneta*), Fruit Rot (*Botrytis cinerea*), Leaf Spot (*Septoria rubi*) and Spur Blight (*Didymella applanate*) - Use 2.51 – 3.75 L (1.2 – 1.8 kg a.i) in 1,000 litres water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. Do not apply by air.

BLUEBERRY: Control of: Fruit Rot (*Botrytis cinerea*) and Mummy Berry (*Monilinia vaccinii-corymbosi*) - Use 3.75 L (1.8 kg a.i) of product in 1,000 litres per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. Do not apply by air.

VEGETABLE CROPS

CUCUMBER: Control of: Anthracnose (*Colletotrichum orbiculare*) and Scab (*Cladosporium cucumerinum*) - Use 3.75 – 7.03 L/ha (1.8 – 3.4 kg a.i./ha) in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. Use 3.75 – 5.42 L (1.8 – 2.6 kg a.i.) of product on young plants, 5.42 – 7.03 L (2.6 – 3.4 kg a.i.) on mature plants. Do not apply by air. **DO NOT** use on greenhouse cucumber.

POTATO: Control of: Early Blight (*Alternaria solani*) and Late Blight (*Phytophthora infestans*) – Use 4.17 - 6.25 L/ha (2 -3 kg a.i./ha) in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. Do not apply by air.

TOMATO: Control of: Anthracnose (*Colletotrichum spp.*) and Septoria Leaf Spot (*Septoria lycopersici*) - Use 4.58 – 7.03 L/ha (2.2 – 3.4 kg a.i./ha) in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. Do not apply by air. **DO NOT** use on greenhouse tomato.

NOTICE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATION

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than SHARDA CROP CHEM LIMITED and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. For these uses SHARDA CROP CHEM LIMITED 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.

GINSENG

For the control of rhizoctonia root rot (*Rhizoctonia solani*), pythium root rot and damping-off (*Pythium spp.*), phytophthora root rot (*Phytophthora cactorum*) and grey mould (*Botrytis*

cinerea) and suppression of cylindrocarpon root rot (*Cylindrocarpon destructans*), apply SHARDA CAPTAN 48 SC

as a broadcast foliar spray at a rate of 4.17 L product/ha (2.0 kg a.i./ha) in a spray volume of 935 – 1871 L water/ha. Begin applications prior to disease onset, when conditions are conducive to disease development with a minimum interval of 7 days. Do not apply more than 8 applications. Ground applications only. Applications can be made up to 20 days before harvest.

The application rate should be based on 4.17 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 4.17 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 ensure that 4.17 L of product is applied per hectare regardless of the spray volume used.

TURF AND ORNAMENTAL USES

SOIL AND GREENHOUSE BENCH TREATMENT: Use as a soil treatment for the control of damping-off and fungus root rot diseases of seedlings or transplants of roses (and other shrubs, trees, flowers), lawn seedbeds, and vegetables (beans, peas, celery, crucifers, eggplants, pepper, tomato). Use 2.51 L (1.2 kg a.i.) per 1,000 litres water and apply at rates of 50 to 85 litres per 100 square metres. Work into the upper 7.5 to 10 centimetres of soil before planting. Do not apply more than one application per year. Do not apply by air.

TURF (golf courses and sod farms only): Control of: Brown Patch (*Rhizoctonia solani*), Damping-Off (*Pythium*, *Rhizoctonia*, and *Fusarium* spp.), Leaf Spot and Melting-Out (*Bipolaris*, *Drechslera*, and *Exserohilum* spp.) and Root Rot (*Pythium* spp.) - Use 100 mL (48.2 g a.i.) in 20 L of water per 100 square metres. Apply preventatively, when conditions are favourable to disease development. Do not make more than one application per year. DO NOT apply to turf in residential areas, including lawns, gardens, parks, playing fields, cemeteries and schools. Sharda Captan 48 SC can be applied to golf course greens, tees, fairways, roughs and sod farms only. Do not apply by air.

OUTDOOR ORNAMENTALS: Foliar (cut flower) precautions: Do not apply more than one application per year at a maximum of 2.51 L/ha (1.2 kg a.i./ha).

CAMELLIA: Control of: Petal Blight (*Ciborinia camelliae*) - Use 2.11 L (1 kg a.i.) in 1,000 litres water. Apply preventatively, when conditions are favourable to disease development. Apply to foliage and soil around plants. Re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. **DO NOT** use on greenhouse cut flowers. Do not apply by air.

CARNATION: Control of: Leaf Spot (*Alternaria dianthicola*, *A. dianthi*), CHRYSANTHEMUM: Botrytis Flower Blight (*Botrytis cinerea*) and Septoria Leaf Spot (*Septoria chrysanthemi*, *S. chrysanthemella*). ROSE: Control of: Black Spot (*Diplocarpon rosae*) - Use 2.11 – 2.51 L (1 – 1.2 kg a.i.) in 1,000 litres water. Apply to give even coverage of upper and lower leaf surface. Apply preventatively, when conditions are favourable to disease development. Re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. Do not apply by air. **DO NOT use on greenhouse cut flowers.**

ASTER, DAHLIA, LILAC, ROSE, TULIP: Control of: Botrytis Flower Blight (*Botrytis cinerea*) – Use 2.11 L (1 kg a.i.) in 1,000 litres water. Apply preventatively, when conditions are favourable to disease development and re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. Do not apply by air. **DO NOT use on greenhouse cut flowers.**

BEGONIA (TUBEROUS), DAFFODIL, DAHLIA, GLADIOLUS, IRIS (Bulbous), NARCISSUS, TULIP: Control of: Damping-Off, Bulb Rots (*Pythium*, *Rhizoctonia*, and *Fusarium* spp.) – Use 6.25 – 15.83 L (3 – 7.6 kg a.i.) in 1,000 litres water. Before storage, dip and allow to dry. **DO NOT dip flower bulbs by hand. Only mechanical or automated dipping equipment must be used (for example, conveyor belt, forklift). Do not apply by air. **DO NOT** use on greenhouse cut flowers.**

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Sharda Captan 48 SC contains a Group M04 fungicide. Any fungal population may contain individuals naturally resistant to Sharda Captan 48 SC 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 Sharda Captan 48 SC 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 Sharda Cropchem Limited if reduced sensitivity of the pathogen to Sharda Captan 48 SC 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 Sharda Cropchem Limited at 1-844-810-5720.

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.