

2019-3747
2020-03-31

{Booklet Label}

GROUP	11	FUNGICIDE
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S-2200 4 SC Fungicide

FUNGICIDE
SUSPENSION
COMMERCIAL

For control or suppression of certain diseases in canola (rapeseed subgroup 20A), grape (subgroup 13-07F), strawberry (subgroup 13-07G, except cranberry), and turfgrass.

ACTIVE INGREDIENT:	
Mandestrobin.....	43.4%

Contains 1,2-benzisothiazolin-3-one at 0.01% as a preservative OR contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0006% and 2-Methyl-4-isothiazolin-3-one at 0.0002% as a preservative..

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO.: 32286
PEST CONTROL PRODUCTS ACT

Net Contents:

Valent Canada, Inc.
201-230 Hanlon Creek Blvd.
Guelph, ON, Canada N1C 0A1
(519) 767-9262
www.valent.ca

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.

FIRST AID

- 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 the person to fresh air. If the 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL
1-800-682-5368***

TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

ENVIRONMENTAL PRECAUTIONS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposing of equipment washwaters or rinsate. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe 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 strip between the treated area and the edge of the water body.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, socks and shoes.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes. Remove PPE immediately after handling this product. As soon as possible, was thoroughly and change into clean clothing.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Read the label directions for each tank mix product and follow the most restrictive label precautions and limitations.

Apply only 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.

For agricultural crops: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For turfgrass: Keep all unprotected persons out of operating areas or vicinity where there may be drift. Do not enter or allow others to enter treated areas until sprays have dried.

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., contact Valent Canada, Inc.

APPLICATIONS PRECAUTIONS

Aerial Application

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 or equivalent electronic positioning systems (GPS).

Use 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.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

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

Operator Precautions

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.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

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.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (519) 767-9262 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 litres per hectare.

Other precautions specific to aerial uses should be included in this area, e.g., buffer zones around field edges or aquatic habitat, etc.

DISPOSAL/DECONTAMINATION

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 container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.

STORAGE:

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

RESISTANCE MANAGEMENT

For resistance management, please note that S-2200 4 SC Fungicide contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to S-2200 4 SC Fungicide and other group 11 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 S-2200 4 SC Fungicide or other Group 11 fungicides with different groups that control the same pathogens.
- Avoid application of more than the maximum number listed in the label and consecutive sprays of S-2200 4 SC Fungicide or other fungicides in the same group in a season.
- 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 Valent Canada, Inc. if reduced sensitivity of the pathogen to S-2200 4 SC Fungicide is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops or pathogens.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at www.valent.ca.

GENERAL INFORMATION

MODE OF ACTION

S-2200 4 SC Fungicide belongs to the strobilurin or Quinone Outside Inhibitors (QoI) class (Group 11) of fungicides as classified by the Fungicide Resistance Action Committee (FRAC).

S-2200 4 SC Fungicide is a broad spectrum fungicide for control or suppression of certain diseases in listed crops and turfgrass. S-2200 4 SC Fungicide has preventive and systemic properties. S-2200 4 SC Fungicide is most effective when applied prior to infection. Optimal disease control is achieved when S-2200 4 SC Fungicide is applied in a regularly scheduled spray program used in combination and/or rotation with other effective fungicides that have different modes of action and are effective against the same target pathogen(s).

RAINFASTNESS

Applications should not be made if rain is expected within 2 hours of application or disease control may be reduced.

SPRAYER PREPARATION

Before applying S-2200 4 SC Fungicide, start with clean, well maintained application equipment. The spray tank, hoses and booms must be cleaned to ensure no residue from the previous spraying operations remain in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply S-2200 4 SC Fungicide. If two or more products were tank mixed prior to S-2200 4 SC Fungicide application, the most restrictive cleanup procedure should be followed.

Application equipment should be clean and in good repair. Nozzles should be frequently checked for accuracy.

SPRAYER CLEANUP

Clean sprayer equipment each day following S-2200 4 SC Fungicide application. After application is complete, use the following steps to clean spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.

2. Fill the spray tank with clean water and flush all hoses, booms, screens, and nozzles.
3. Drain tank completely.
4. Remove all nozzles and screens and rinse them in clean water.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the S-2200 4 SC Fungicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing S-2200 4 SC Fungicide with other labeled pesticides, add water soluble packets first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
4. Add any required adjuvants.
5. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.
6. Mix only the amount of spray solution that can be applied the day of mixing. Apply S-2200 4 SC Fungicide within 24 hours of mixing.

SPRAY VOLUME

Apply S-2200 4 SC Fungicide in sufficient water to ensure thorough coverage of foliage, blossoms, and fruit. Thorough coverage is required for optimal disease control. For ground application, apply a minimum of 100 L of spray mixture per hectare. For aerial application, apply a minimum of 50 L of spray mixture per hectare to ensure uniform coverage.

CHEMIGATION

Through Irrigation Systems

S-2200 4 SC Fungicide may be applied through irrigation systems unless otherwise indicated. Apply this product only through center pivot, motorized lateral move, traveling gun, solid set or portable (wheel move, side roll, end tow or hand move) irrigation systems. Do not apply this product through any other type of irrigation system. Do not apply when wind speed causes non-uniform distribution and/or favours drift beyond the area intended for treatment. Do not apply by chemigation if the area to be treated is within 100 metres of a residential area or park. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

Calibration and Application Instructions

Apply S-2200 4 SC Fungicide under the schedule specified in the specific crop use directions, not according to the irrigation schedule, unless the events coincide. In general, set the equipment to apply the minimum amount of water per hectare. Run the system at 85 to 90% of the manufacturer's maximum rated travel speed.

The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler irrigation equipment. Check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

Center Pivot Irrigation Equipment

1. Use only drive systems that provide uniform water distribution.

2. Do not use end guns when chemigating S-2200 4 SC Fungicide through center pivot systems because of non-uniform application.
3. Plug the first nozzle closest to the well head to protect the water source.
4. Determine the size of the area to be treated.
5. Determine the time required to apply 2.5 to 6.35 mm (0.1 to 0.25 inches) of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 to 95% of the manufacturer's rated maximum travel speed.
6. Using water, determine the injection pump output when operated at normal line pressure.
7. Determine the amount of S-2200 4 SC Fungicide required to treat the area covered by the irrigation system.
8. Add the required amount of S-2200 4 SC Fungicide and sufficient water to meet the injection time requirements to the solution tanks. (See "Mixing Instructions" section of this label.)
9. Make sure the system is fully charged with water before starting injection of the S-2200 4 SC Fungicide solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
10. Maintain constant agitation in the solution tank during the injection period.
11. Inject the specified amount of S-2200 4 SC Fungicide per hectare continuously for one complete revolution of the system.
12. Stop the injection equipment after treatment is complete. Continue to operate the system until the S-2200 4 SC Fungicide solution has cleared all of the sprinkler heads.
13. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water.

Solid Set, Portable (Wheel Move, Side Roll, End Tow or Hand Move) Irrigation Equipment

1. Determine the hectareage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 40 minute time interval.
3. Calculate the amount of product required to treat the area covered by the irrigation system.
4. Add the required amount of S-2200 4 SC Fungicide into the same quantity of water used to calibrate the injection period. (See "Mixing Instructions" section of this label.)
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject specified amount of S-2200 4 SC Fungicide per hectare for either a 20 to 40 minute period at the end of a regular irrigation set, or as a 20 to 40 minute injection as a separate application not associated with a regular irrigation to maximize retention of the fungicide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the S-2200 4 SC Fungicide solution has cleared the last sprinkler head. To ensure lines are flushed and free from remaining pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

AERIAL APPLICATION

To minimize drift, apply the largest droplet size consistent with uniform coverage and satisfactory disease control. To obtain satisfactory application and avoid drift, the following directions must be observed:

- Do not apply during low-level inversion conditions, when winds are gusty or under other conditions that favour drift. Do not spray when wind velocity is less than 3 km/h or more than 16 km/h.
- **Carrier Volume and Spray Pressure:** Application at less than 50 litres per hectare may provide inadequate coverage and control. The higher litreage applications generally afford more consistent disease control. Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Nozzle Selection and Orientation:** Formation of very small drops may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray pressure. Use nozzles that produce flat fan or cone spray patterns. Use non-drip type nozzles, such as diaphragm type nozzles, to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, producing a spray discharge at an angle between 0 and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.
- **Drift Control Additives:** Drift control additives may be used although it is better to obtain coarser sprays through appropriate nozzle selection and use wherever possible. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label, and be certain of compatibility with the fungicide and nozzle types being used before selecting any adjuvant types.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. Do not apply this product when weather conditions favour spray drift from treated areas. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making decisions.

Do not apply this product when weather conditions favour spray drift from treated areas. When applying by air, observe drift management restrictions and precautions listed under "AERIAL APPLICATION".

ROTATIONAL RESTRICTIONS

The following rotational crops may be planted after applying S-2200 4 SC Fungicide at the labeled rate. Planting earlier than the recommended rotational interval is not allowed.

CROPS	ROTATIONAL INTERVAL
Canola (Subgroup 20A) Grape (Subgroup 13-07F) Strawberry (Subgroup 13-07G, except cranberry)	Immediately
All other crops	4 months

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.

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) coarse 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.

Chemigation: **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) coarse classification. Applications **MUST** be conducted **WITHOUT** the use of end guns.

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) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), 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		Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Carinata, Canola subgroup 20 A		1	0	0	0	0
	Strawberry subgroup 13-07G and Turf		1	1	1	0	1
Airblast	Grape subgroup 13-07F	Early growth stage	15	2	0	0	1
		Late growth stage	5	1	0	0	1
Aerial	Carinata, Canola subgroup 20 A	Fixed wing	1	0	0	0	0
		Rotary wing	1	0	0	0	0
	Grape subgroup 13-07F	Fixed wing	10	1	1	0	10
		Rotary wing	5	1	1	0	10
	Strawberry subgroup 13-07G	Fixed wing	10	1	1	0	15
		Rotary wing	10	1	1	0	10

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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 buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

SPECIFIC DIRECTIONS FOR USE – ALL CROPS

- S-2200 4 SC Fungicide should be used as a part of an Integrated Pest Management (IPM) program.
- Apply as a foliar spray in sufficient water to obtain thorough coverage of the plant.

Crops	Minimum Time from Application to Harvest (PHI) Days	Maximum Rate per Hectare per Application	Maximum Number of Sequential Applications	Maximum Number of Applications per Year	Maximum Rate per Hectare per Year	Livestock Grazing or Feeding Restriction

Canola (Subgroup 20A)	35	877 mL/ha (420 g ai/ha)	N/A	1	877 mL/ha (420 g ai/ha)	No
Grape (Subgroup 13-07F)	10	877 mL/ha (420 g ai/ha)	2	3-4 Depending on rate used.	2631 mL/ha (1260 g ai/ha)	Not applicable
Strawberry (Subgroup 13-07G, except cranberry)	0	877 mL/ha (420 g ai/ha)	2	4-5 Depending on rate used.	3508 mL/ha (1680 g ai/ha)	Not applicable

CROP SPECIFIC DIRECTIONS, RESTRICTIONS AND LIMITATIONS

CANOLA (CROP SUBGROUP 20A)				
Borage; carinata; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed (including canola); sesame; sweet rocket; cultivars, varieties, and/or hybrids of these				
Diseases	Application Rates		When to Apply	Use Restrictions
	mL/ha	L/ha		
White mold/ Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>)	439 - 877 (210 - 420 g ai/ha)	Ground: Minimum Spray Volume 100 Aerial: Minimum Spray Volume 50	Make application between 20% and 50% bloom.	<ul style="list-style-type: none"> • Do not apply within 35 days of harvest. • Under high disease pressure, use 877 mL/ha • Do not apply more than one application per year. • Do not apply more than 877 mL/ha per year.

CROP SPECIFIC DIRECTIONS, RESTRICTIONS AND LIMITATIONS

GRAPE

(CROP SUBGROUP 13-07F)

Gooseberry, Amur river grape, Grape, Maypop, Schisandra berry, Cultivars, varieties and/or hybrids of these)

Diseases	Application Rates		When to Apply	Use Restrictions
	mL/ha	L/ha		
Botrytis bunch rot / gray mold (<i>Botrytis cinerea</i>)	439 - 877 (210 - 420 g ai/ha)	Ground Application Minimum 100 L/ha	Begin applications prior to infection during early bloom, bunch pre-closure and veraison/onset of fruit ripening up to 10 days before harvest. Make sequential applications at least 10 days apart.	<ul style="list-style-type: none"> • Do not apply within 10 days of harvest. • Under high disease pressure, use higher rate and shorter interval • Do not make more than two sequential applications. • Do not apply more than 3-4 applications per year, depending on rate used. • Do not apply more than 2631 mL/ha (1260 g ai/ha) per year When targeting powdery mildew: <ul style="list-style-type: none"> • applications of S-2200 4 SC Fungicide or any other Group11 fungicide-containing sprays are limited to 2 per vine crop. • S-2200 4 SC Fungicide should be used in strict alternation with fungicides from different cross-resistance groups when applied solo.
Suppression only: Powdery mildew (<i>Uncinula necator</i>) on grape and Amur river grape			Begin applications prior to infection at bud break on a 10- to 14-day interval.	

CROP SPECIFIC DIRECTIONS, RESTRICTIONS AND LIMITATIONS:

STRAWBERRY (CROP SUBGROUP 13-07G, except cranberry) Blueberry, lowbush, Bearberry, Bilberry, Cloudberry, Lingonberry, Muntries, Partridgeberry, Strawberry, Cultivars, varieties and/or hybrids of these				
Diseases	Application Rates		When to Apply	Use Restrictions
	mL/ha	L/ha		
Botrytis gray mold <i>(Botrytis cinerea)</i>	439 - 877 (210 - 420 g ai/ha)	Ground Application Minimum Spray Volume: 100 L/ha	Begin applications at 10% bloom, or prior to infection, and continue on a 7- to 14-day interval.	<ul style="list-style-type: none"> • Applications may be made up to the day of harvest. • Under high disease pressure, use higher rate and shorter interval. • Do not make more than two sequential applications. • Do not apply more than 4-5 applications per year, depending on rate used. • Do not apply more than 3508 mL/ha (1680 g a.i./ha) per year. • Do not use in greenhouses.

SPECIFIC DIRECTIONS FOR USE – TURFGRASS

TURFGRASS TOLERANCE

Due to the large number of turfgrass types and application techniques, it has not been determined if S-2200 4 SC Fungicide can be safely used on all turfgrasses under all conditions. It is recommended that the user determine safety under local conditions by making an application to a small test area. Monitor the test area for at least 2 weeks to determine safety under local growing conditions.

RECOMMENDED TURFGRASS SPECIES

- Annual Bluegrass
- Bentgrass
- Fescue
- Kentucky Bluegrass
- Perennial Ryegrass

USE SITES

S-2200 4 SC Fungicide may be used for disease control on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, athletic fields and sod farms.

SPECIAL INSTRUCTIONS

- Use S-2200 4 SC Fungicide in conjunction with turf management practices that promote good plant health and optimum disease control. Proper identification of disease infestations is essential for providing control. Consult diagnostic guides, kits or other means of identification to determine the best control measures.
- S-2200 4 SC Fungicide is more effective when used preventively or early in disease development. Length of disease control will vary according to local environmental conditions, disease pressure and turfgrass management practices.
- Apply to dry turf or after mowing. For control of foliar diseases, allow turf to dry before irrigation. For control of soil borne diseases, S-2200 4 SC Fungicide can be watered in immediately after application or applied with a high volume of water.
- Directions for use of S-2200 4 SC Fungicide have been developed using no adjuvant in the spray solution.
- Important: Under conditions of optimal disease development (such as high humidity and temperature), use higher labeled rates and shorter application intervals. For dollar spot control, use higher application rate in areas with a history of severe disease pressure.
- Failure to follow label directions may result in turfgrass injury and/or inferior disease control.

APPLICATION DIRECTIONS

Apply S-2200 4 SC Fungicide using standard, low-pressure spray equipment designed to deliver coarse to medium size spray droplets (do not use nozzles designed to deliver fine droplets). Apply in a sufficient volume of water to provide thorough spray coverage and a uniform spray pattern. Do not position the spray boom more than 50 cm above the turf. For foliar disease, use 8 L spray solution per 100 m². For crown and root diseases, use 8 to 16 L spray solution per 100 m².

RESTRICTIONS AND LIMITATIONS

- Do not apply more than 3944 mL (1.89 kg ai) of S-2200 4 SC Fungicide per hectare per year.
- Do not apply through any type of irrigation system.
- Do not apply by aerial application.
- Do not graze animals on treated areas for one year after application.
- Do not feed clippings from treated areas to livestock or poultry.
- Do not apply more than 986 mL (0.47 kg ai) of S-2200 4 SC Fungicide per hectare per application.
- When using S-2200 4 SC Fungicide or other Group 11 fungicides alone, the number of applications should be no more than 1/3 of the total number of fungicide applications per season.
- When using S-2200 4 SC Fungicide or other Group 11 fungicides in mixtures with partners from a different mode of action group, the number of Group 11 containing applications should be no more than 1/2 of the total number of fungicide application per season.
- In programs in which applications of Group 11 are made with both solo products and mixtures, the number of Group 11 containing applications should be no more than 1/2 of the total number of fungicide applied per season.

TURFGRASS – Specific Diseases, Rates, Timings and Application Information

Diseases (<i>Pathogens</i>)	Application Rates		Application Interval/ Timing	Special Instructions
	mL/100 m ²	mL/ha		
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	5.4-9.86	540-986 (259-472 g ai/ha)	14 to 21 days	Use preventively. Begin application when conditions favour disease development.
	9.86	986 (472 g ai/ha)	21 to 28 days	
Brown Patch (<i>Rhizoctonia solani</i>) Fairy Ring (<i>Agaricus campestris</i>) Rust (<i>Puccinia graminis.</i>) - suppression Take-all Patch (<i>Gaeumannomyces graminis</i>)	11.69	986 (472 g ai/ha)	14 days	Begin applications when conditions favour disease development or, for fairy ring, when the disease first appears.

{Base Container Label}

GROUP	11	FUNGICIDE
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S-2200 4 SC Fungicide

FUNGICIDE
SUSPENSION
COMMERCIAL

For control or suppression of certain diseases in canola (rapeseed subgroup 20A), grape (subgroup 13-07F), strawberry (subgroup 13-07G, except cranberry), and turfgrass.

ACTIVE INGREDIENT:	
Mandestrobin.....	43.4%

Contains 1,2-benzisothiazolin-3-one at 0.01% as a preservative OR contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0006% and 2-Methyl-4-isothiazolin-3-one at 0.0002% as a preservative..

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO.: 32286
PEST CONTROL PRODUCTS ACT

Net Contents:

Valent Canada, Inc.
201-230 Hanlon Creek Blvd.
Guelph, ON, Canada N1C 0A1
(519) 767-9262
www.valent.ca

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.

FIRST AID

- 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 the person to fresh air. If the 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL
1-800-682-5368***

TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe 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 strip between the treated area and the edge of the water body.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Follow mixer/loader and applicator scenario on attached label. Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, socks and shoes.

DISPOSAL/DECONTAMINATION

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 container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.

STORAGE:

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.