



GROUP	BM02	FUNGICIDE
-------	------	-----------

Serenade[®] CPB

An Aqueous Suspension Biofungicide

Live Organism

COMMERCIAL

ACTIVE INGREDIENT:

QST 713 strain of *Bacillus subtilis*, contains a minimum of 1×10^9 CFU/g

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

POTENTIAL SKIN SENSITIZER

REGISTRATION NO.: 30143 _____ PEST CONTROL PRODUCTS ACT

NET CONTENTS: 9.46L - 1000L

Product Information: 1-888-283-6847

www.cropscience.bayer.ca

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3

In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day).

Date of Manufacture:

Made in Mexico

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 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/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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, socks and shoes and a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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.

ENVIRONMENTAL PRECAUTIONS:

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: Serenade CPB should be used within 3 years from the date of manufacture when stored at room temperature. Store this product away from food or feed. Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use.

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

GENERAL USE INFORMATION:

SERENADE CPB is a broad spectrum, preventative biofungicide for the suppression of many important plant diseases. It may be applied as a foliar spray alone, or in an alternating spray program with other registered crop protection products. For maximum effectiveness, apply SERENADE CPB prior to or in the early stages of disease development. When conditions are conducive to heavy disease pressure, use SERENADE CPB in a rotational program with other registered fungicides. SERENADE CPB may be applied with ground application equipment.

INTEGRATED PEST MANAGEMENT (IPM):

For disease resistance management, SERENADE CPB can be integrated into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

USE RATE DETERMINATION:

Carefully read and follow all label directions, use rates and restrictions. Apply SERENADE CPB prior to or in the early stages of disease development. Use maximum label rates and shortened spray intervals for conditions conducive to rapid disease development. For proper application, determine the number of hectares to be treated, the recommended label use rate and select appropriate application volume to give good canopy penetration and coverage of plant parts to be protected. Prepare only the amount of spray solution required to treat the measured hectareage. Accurate spray equipment calibration is essential prior to use.

DIRECTIONS FOR USE:

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower/treatment coordinator are responsible for considering all of these factors when making decisions. Where provinces/territories have more stringent regulations, they should be observed.

Use Restrictions: 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 wash water.

DO NOT apply in greenhouses.

DO NOT apply by any type of irrigation system.

DO NOT apply by aerial application equipment unless otherwise specified in crop-specific use directions.

Restricted Entry Interval (REI): DO NOT allow worker entry into treated areas for 4 hours or until sprays have dried unless wearing waterproof gloves, long-sleeved shirt, long pants, socks and shoes. .

Preharvest interval: Serenade CPB can be used up to and including the day of harvest. PHI=0 days.

APPLICATION INSTRUCTIONS:

Be sure to maintain agitation during mixing and application to assure uniform product suspension.

GROUND APPLICATIONS: For foliar applications, thorough coverage of all foliage is essential for effective disease control. Serenade CPB can be applied in commonly used ground application equipment. To achieve good coverage, use the appropriate spray pressure, litres per hectare, nozzles, nozzle spacing and ground speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

AERIAL APPLICATIONS: Use the application rate indicated for the appropriate crop in sufficient water to achieve thorough coverage.

Aerial Application Instructions

Apply only by fixed-wing or rotary aircraft equipment that 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. 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 by using appropriate marking devices and/or electronic guidance equipment.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only when meteorological conditions are in compliance with local and/or provincial authorities.

Operator Precautions

Do not allow the pilot to mix product 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 the personal protective equipment described in the PRECAUTIONS section of this 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 1-800-728-0014 or obtain technical advice from the distributor or your provincial agricultural or forestry representative. Application of this specific product must meet and/or conform to the aerial uses and rates on this product and to the following:

Volume: Apply the recommended rate in a minimum spray volume of 50 liters per hectare.

When applied with ground or aerial spray equipment as directed, SERENADE CPB will suppress the following listed diseases on the following listed field crops. Under conditions of moderate to high disease pressure, use the higher rate and shorter application intervals. For maximum effectiveness, apply SERENADE CPB prior to, or at the early stages of disease development. Apply in sufficient water volume to ensure full coverage for effective control. SERENADE CPB has a 0 day PHI, and can be applied up to, and including, the day of harvest. SERENADE CPB can be used in a rotational program with other registered fungicides which control the disease. Do not use on crops that are not specifically listed on the label.

Ground Application Only

Crop	Disease	Rate (litre/hectare)	Application Instructions
Crop Group 6: Legume vegetables Bean (<i>Lupinus</i> spp., <i>Phaseolus</i> spp., and <i>Vigna</i> spp.), chickpea, lentil, and pea (all types)	Botrytis blight (<i>Botrytis cinerea</i>) White Mould (<i>Sclerotinia sclerotiorum</i>)	4.0-15.0	Begin application soon after emergence or transplant and when conditions are conducive for disease development. Repeat on 7-10 day intervals.
Soybean	White Mould (<i>Sclerotinia sclerotium</i>)	4.0 -15.0	Begin application soon after emergence and when conditions are conducive to disease development. Repeat as necessary on a 7-10 day interval.
	Brown spot (<i>Septoria glycines</i>)	1.0-4.0	
	Frog eye (<i>Cercospora sojina</i>)		

Ground and Aerial Application

Crop	Disease	Rate (litre/hectare)	Application Instructions
Canola	Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>)	1.0-4.0	Begin application at 20% - 30% bloom. A second application may be made 7-10 days later, at approximately 50% bloom

			and prior to significant petal fall, if conditions for disease development remain favorable. Use higher rates in fields with a history of heavy disease pressure.
--	--	--	---

200506

SERENADE is a registered trademark of Bayer.

©Copyright Bayer 2010