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**SERENADE[®]
OPTI**

Crop guide for grapes

Serenade Opti is a biofungicide registered for control of botrytis bunch rot (*Botrytis cinerea*) in grapes.

The key features of Serenade Opti are

No withholding period.

Highly compatible with many commonly used products in growers' spray programs.

As a Group 44 fungicide, Serenade Opti supports resistance management through a new mode of action.

Soft on most beneficial species when used as directed.

ACO organic certified allowed input.

OMRI (USA organic) certified.

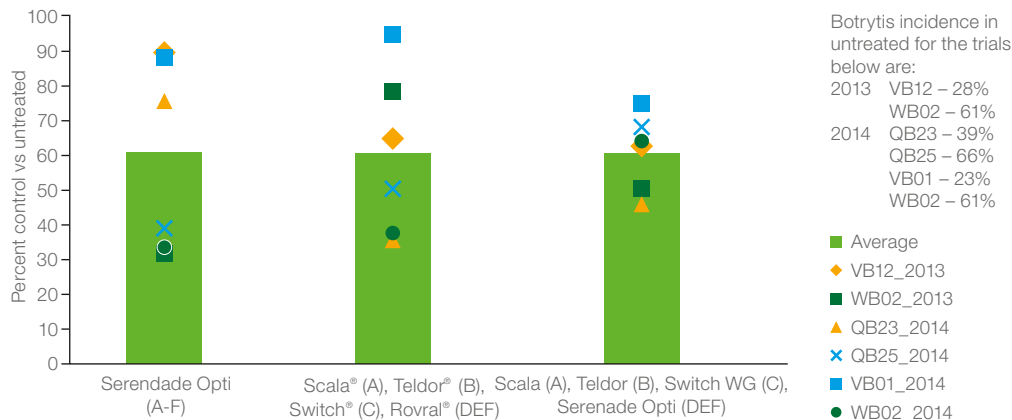
Serenade[®] Opti, scientifically proven, naturally effective.

What is Serenade Opti?

Serenade Opti contains the unique properties of the pure QST713 strain of *Bacillus amyloliquifaciens* bacteria and is a formulated combination of spores and fungicidally active compounds produced by the spores. QST713 is a naturally occurring strain of *Bacillus amyloliquifaciens* (*B. subtilis*) discovered in an orchard soil sample. This strain has been chosen for its overall superior performance after testing of over 20,000 strains of bacteria. *Bacillus amyloliquifaciens* strain QST713 and the Serenade Opti formulation have been extensively studied in many agricultural situations over many seasons.

The Serenade Opti wettable powder formulation has been developed for foliar application.

Percent control of botrytis versus the untreated - Grapes



Best practice use of Serenade Opti in grapevines:

- **Effective prevention of bunch rot** - Serenade Opti generally provides similar botrytis protection as registered synthetic products when used in a season long spray program. Serenade Opti is not systemic and will not control advanced infections but can provide effective protection of clean flowers and berries.
- **Beginning at flowering** - For preventative control, apply Serenade Opti at 250 g/100 L water at critical disease control timings from flowering through to harvest. The Serenade Opti formulation contains a natural carrier that can leave a white/off-white residue on grapes. Whilst this is not of significance for wine grapes, for presentation reasons it may not be suitable for use on table grapes beyond the flowering stage. Serenade Opti does not require adjuvants and there are no temperature or humidity restrictions on application.
- **Highly compatible** - Serenade Opti is compatible with a range of synthetic products, so it can be used as an effective tank mix partner with many fungicides and insecticides.
- **Safe to most beneficial species** - When used as directed, Serenade Opti is safe to most beneficial species including: predatory ladybird beetles (*Cryptolaemus montrouzieri*: 1st - 2nd instar and *Chilocorus circumdatus*: adult), green lacewings (*Mallada signata*: 1st - 2nd instar), parasitic wasps (*Trichogramma pretiosum*: adult) and predatory mites (*Typhlodromus occidentalis*: late-stage nymphs and adults). Serenade Opti is not hazardous to honey bees.
- **Resistance management** - Serenade Opti is classified as a group 44 fungicide and although this is a low risk group, best practice is to rotate with other botryticides such as Scala[®] and Teldor[®].
- **Maximise coverage** - As a contact product, ensure thorough coverage of all foliage, flowers and fruit.

Notice for table grapes: Serenade Opti can be used on table grapes however it is likely to leave a visible residue on the fruit if applied after flowering.

For more technical information on Serenade Opti and the use of Serenade Opti in strawberries, tomatoes, capsicums and chillies, refer to the additional Crop Guides at crop.bayer.com.au/serenadeopti

DIRECTIONS FOR USE*

CROP	DISEASE	RATE
Grapevines	Botrytis bunch rot (<i>Botrytis cinerea</i>)	250 g/100 L water

CRITICAL COMMENTS

As part of a preventative spray program, applications may be made at, but not limited to, flowering, pre bunch closure and veraison through to harvest.

Serenade Opti should not be applied to an existing disease infection. Ensure thorough coverage of all foliage and fruit. For dilute spraying, spray to point of run off.

For concentrate spraying, do not use at rates greater than 2 times the dilute spraying rate (i.e. at a concentration factor greater than 2X) – refer to “Application” section in GENERAL INSTRUCTIONS.

Withholding periods (WHP)

Grapevines: NOT REQUIRED WHEN USED AS DIRECTED.

Want more information?

For more information on getting the best out of Serenade Opti, visit crop.bayer.com.au/serenadeopti or talk to your local Bayer representative.

* Please refer to the Serenade Opti product label for the Restraints associated with the use of Serenade Opti. Always refer to the product label before use.

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Always consult the product label for detailed information. The information and recommendations set out in this brochure are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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