



Key features of Serenade® Prime in sugarcane:

Registered for use in plant cane.

Highly compatible with many commonly used products.

New mode of action (BM02) to support resistance management of pineapple disease in sugarcane.

Promotes rapid shoot emergence by disease suppression and enhancing the soil amelioration capabilities of sugarcane plants.

Registered for suppression of pineapple disease (*Ceratocystis paradoxa*) in plant cane.

Derived from precise biological fermentation processes to ensure consistency of quality.

Low odour.

No withholding period required.

Serenade® Prime in sugarcane.

What is Serenade Prime?

Serenade Prime contains the unique properties of the pure Bayer Crop Science QST713 strain of *Bacillus amyloliquefaciens* bacteria and is a formulated combination of spores and fungicidally active compounds produced by the bacteria. This strain has been chosen for its overall superior performance after testing of over 20,000 strains of root-colonising bacteria. *Bacillus amyloliquefaciens* strain QST713 and the Serenade Prime formulation have been extensively studied in many agricultural situations over many seasons.

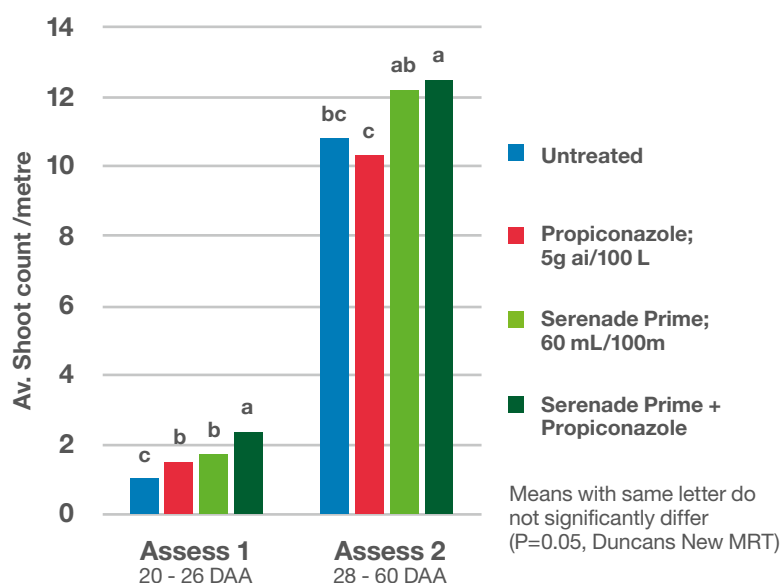
In plant cane Serenade Prime is registered as a biofungicide, approved for the suppression of pineapple disease (*Ceratocystis paradoxa*).

Serenade Prime at a glance

What is it?	A suspension concentrate formulation of dormant viable <i>Bacillus amyloliquefaciens</i> strain QST713 spores plus associated biochemicals that suppress disease development.
What does it target?	Plant cane: Pineapple disease (<i>Ceratocystis paradoxa</i>) (Suppression only).
How to apply	Plant cane: Apply Serenade Prime as a spray onto cane setts in the planting chute. Serenade Prime should be applied immediately prior to placement in the furrow using an appropriate water volume (minimum of 5 L water / 100 m of row) to ensure all surfaces of the cane setts are covered especially on the cut ends. Thorough coverage is critical as the biochemicals are not systemically translocated.
Timing	Apply Serenade Prime at planting using a spray planter.
Rate	60 mL / 100m row (equivalent to 4 L / ha for single row cane with 1.52m spacing between rows). For dual rows each row is treated at the above row rate.
Compatibility	Serenade is highly compatible and has been tested with propiconazole, imidacloprid, chlorpyrifos and bifenthrin.
Conditions	In situations where very heavy rainfall is predicted or where there may be prolonged waterlogging and/or cold weather, the use of an additional fungicidal product is recommended.
Withholding period	Not required when used as directed

Efficacy in Plant cane

Av. Sugarcane shoots per metre



Rate Calculator

How much Serenade Prime do I need?

Row Spacing (m)	Serenade Prime		Hectares 10 L treats
	mL / 100 m	L / ha	
1.52	60 mL	4.0	2.50
1.52 dual	60 mL / row	8.0	1.25
1.6	60 mL	3.75	2.67
1.7	60 mL	3.53	2.83
1.83	60 mL	3.28	3.05
2.0 dual	60 mL / row	6.0	1.67

Average comprises the shoot count assessments per metre row from four trials after application at planting. Trials were completed at Condong (NSW), Broadwater (NSW), Rocky Point (Qld), Maryborough (Qld) with associated trial numbers: FD17AUSHB7QB13, FD18AUSHB7QB07, FD18AUSHB7QB13, FD18AUSHB7QF18 .

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