



**PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT
FOR THE SUPPRESSION OF BACTERIAL SPOT IN SELECTED VEGETABLES**

PERMIT NUMBER – PER87630

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows any person to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 18 JUNE 2019 TO 30 JUNE 2022.

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LTD
Level 8, 1 Chifley Square,
Sydney, NSW, 2000

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Product to be used:

SERENADE OPTI BIOFUNGICIDE (APVMA Approval No. 82242)

Plus other REGISTERED PRODUCTS

Containing: Not less than 1.3×10^{10} CFU/g *Bacillus amyloliquefaciens* (*B. amyloliquefaciens*) strain QST 713 (formerly known as *Bacillus subtilis* strain QST 713)

Directions for Use:

Crop Type & Situation	Target Weed	Rate
Brassica vegetables, Brassica leafy vegetables, Lettuce, and Green beans. (Field and protectd)	BACTERIAL SPOT/BLIGHT (<i>Xanthomonas spp.</i>) (Suppression only).	150 to 200g/100L water or 1.5 to 2kg/ha

Critical Use Comments:

- Apply as a foliar spray using a boom spray.
- Apply as a high volume spray at a water volume appropriate to the crop stage to ensure good coverage of all foliage.
- Begin applications soon after emergence as part of a preventative bacterial spot spray program.
- Rotate applications of Serenade opti with other registered bactericides and repeat every 3 to 7 days. This will help reduce the spread of bacterial spot, but will not control existing infections. Serenade Opti should be applied preventatively before disease symptoms are visible.
- Use the shortest interval and highest rate when conditions are favourable for infection i.e. during wet weather, high inoculum levels and/or physical damage e.g. through pruning or harvesting.
- Use the lowest rate when used in rotation with protectant fungicides e.g. copper based fungicides. Continue applications at 3-7days following a protectant fungicide if conditions are conducive to disease development.
- Concentrate spraying is not recommended.

Withholding Period:

NOT required when used as directed.

Jurisdiction & Location:

All States and Territories except Vic.

(Note: Victoria is not included in this permit because their 'control-of-use' legislation means that a permit is not required to legalise this off-label use in Victoria).

To Avoid Crop Damage:

This product has NOT been fully evaluated for crop safety on cucumbers, or in all situations where treatment may be undertaken. It is advisable, therefore, to only treat a small number of plants to ascertain their reaction before treating the whole crop.

Safety Directions:

Harmful if inhaled. Will irritate the eyes. Repeated exposure may cause allergic disorders. DO NOT inhale dust or spray mist. Avoid contact with the eyes. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist, disposable dust face mask covering mouth and nose and disposable gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash contaminated clothing.

Additional Conditions:

This PERMIT provides for the use of a product in a manner other than specified on the approved label of the product. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label.

PERSONS who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the DETAILS and CONDITIONS of this permit.

Issued by Australian Pesticides and Veterinary Medicines Authority