



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR SUPPRESSION OF BACTERIAL SPOT IN SELECTED VEGETABLE
CROPS**

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 the Permit Holder and any person stipulated below 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 31 MARCH 2027

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LTD
Level 7, 141 Walker Street
NORTH SYDNEY NSW 2060

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Products to be used:

SERENADE OPTI BIOFUNGICIDE (APVMA 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), as the only active constituent.

Directions for Use:

Crop	Pest / Disease	Rate
Brassica vegetables, brassica leafy vegetables, lettuce and green beans. (Field and protected cropping systems)	Bacterial spot / Blight (<i>Xanthomonas spp.</i>) (Suppression only)	150 to 200g/100L water Or 1.5 to 2kg/ha

Critical Use Comments:

- Begin applications soon after emergence as part of a preventative bacterial spot spray program.
- 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.
- 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 the 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 3-7 days 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:

All States and Territories, except VIC.

Note: Victoria is not included in this permit, as their Control-of-Use legislation means a permit is not required to legalise this off-label use in that State.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. 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. Unless otherwise stated, the use of the product must be in accordance with the product label.

To Avoid Crop Damage

The sensitivity of the crop to be treated under this permit has not been fully evaluated. It is advisable to only treat a small area to ascertain the reaction before treating the whole crop.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 28/03/2022 – Permit reformatted to current standard. Permit expiry extended to 31/03/2027. Permit issued as Version 2.