



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL PRODUCT  
FOR CONTROL OF DIAMONDBACK MOTH, CABBAGE WHITE BUTTERFLY,  
HELICOVERPA & VEGETABLE LOOPER IN BRASSICA LEAFY VEGETABLES.**

**PERMIT NUMBER – PER87670**

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 01 JULY 2019 TO 31 JULY 2024.**

**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

### Products to be used:

XENTARI WG BtA BIOLOGICAL INSECTICIDE (APVMA No. 53435)

PLUS OTHER REGISTERED PRODUCTS

Containing: *Bacillus thuringiensis* subsp. *aizawai*, STRAIN ABTS-1857 fermentation solids and solubles as the only active constituent.

CAMPBELL BACCHUS WG BIOLOGICAL INSECTICIDE (APVMA A No. 58991)

PLUS OTHER REGISTERED PRODUCTS

Containing: *Bacillus thuringiensis berliner* subsp. *aizawai*, STRAIN GC-91 active solids and solubles as the only active constituent.

### Directions for Use:

Crop Type	Target Pest	Rate
BRASSICA LEAFY VEGETABLES	Diamondback moth <i>Plutella xylostella</i>	<b><u>Strain ABTS-1857</u></b> 50g/100L or 500 to 750g/ha.
	Cabbage White Butterfly <i>Pieris rapae</i>	
	Helicoverpa <i>Helicoverpa spp. &amp; Chrysodeixis spp.</i>	<b><u>Strain GC-91</u></b> 50-200g/100L or 1 to 4 kg/ha.
	Vegetable Looper <i>Ectropis excursaria</i>	

### Critical Use Comments:

- Apply in a minimum of 150L/ha.
- Add a non-ionic wetting agent as per label instructions.
- Apply at the first sign of infestation when larvae are starting to hatch and before crop damage occurs. Avoid waiting until populations being to damage the crop.
- Repeat applications as required or at regular intervals to ensure plants are adequately protected.
- Use higher rate or shorter interval when conditions favour rapid development of Diamondback moth.
- Ensure sufficient spray coverage to make a uniform deposit on all plant surfaces and avoid overhead irrigation immediately after treatment.
- DO NOT apply as a tank mix with, or within 2 days of application of alkaline products such as Bordeaux mixtures.
- Use in accordance with existing insecticide resistance management strategies and in accordance with best practice.
- DO NOT apply during the day in hot weather.
- DO NOT apply if rain is expected within 6 hours.
- DO NOT enter treated area until spray has dried.

### 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 that an APVMA permit is not required to legalise this off-label use in that state.

**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 the products for the purposes specified in this permit must read, or have read to them, the permit.

Issued by the Australian Pesticides and Veterinary Medicines Authority