

FACT SHEET

Velifer[®] Biological Insecticide

Biological pest control for protected crops

Velifer biological insecticide provides growers with a non-chemical solution to manage a wide range of key pests in protected cropping structures. Velifer complements integrated pest management (IPM) systems and conventional chemistry, adding more versatility to spray programs. Velifer is effective against insect populations that have developed resistance to conventional insecticides and can be used frequently right up to harvest.



- Provides effective early-stage pest population management to prevent crop damage
- Effective against all insect life stages, including eggs, larvae/nymphs and adults.
- Safe to most beneficial species, ideal for IPM systems
- Multiple sprays can be used to suppress developing pest populations and/or slow their build-up to help beneficial insects control them.
- No withholding period or risk of residues in harvested crops
- A non-chemical solution to meet evolving sustainability goals

Application method

Apply sufficient water to ensure maximum spray coverage, but not past the point of run off.

Harvest WHPs

None required.

Crops

All vegetables and ornamentals in protective structures.

Target pests (suppression only)

- | | |
|--------------------------|-------------------------|
| Chrysanthemum aphids | Greenhouse whiteflies |
| Green peach aphids | Silverleaf whiteflies |
| Rose aphids | Sweet potato whiteflies |
| Two-spotted spider mites | |
| Onion thrips | |
| Western flower thrips | |



Velifer®

Biological Insecticide

How Velifer Works

Derived from a beneficial fungus, *Beauveria bassiana* strain PPRI 5339, Velifer affects all of a pest's life stages, including egg, larvae/nymph and adult. Once applied directly to the pest target, Velifer spores germinate on the insect's cuticle before puncturing it, allowing moisture to escape and cause the insect to dehydrate. Inside the pest, the fungi proliferate and feed, leading to the insect's death within 24-48 hours.

How and when to apply Velifer

Rates	Thrips and whitefly:	50 mL/100 L
	Aphids and mites:	90 mL/100 L

Velifer should be applied in 500–2500 L/ha water.
DO NOT apply Velifer in less than 500 L/ha water.

Method

Velifer is a contact insecticide and it is essential that the spores make contact with all the target pests. Apply sufficient water to ensure maximum coverage using conventional spray equipment, but not past the point of run off. Good coverage is essential as spores need to make contact with the insect pests to provide adequate suppression.

Timing

Apply when pest populations pass the critical pest threshold in the crop. Use a knockdown spray before Velifer if pests have gone beyond the economic threshold.

Velifer is best used as a maintenance spray to manage developing insect populations. Repeat applications will slow the rate of population build-up and reduce the peak numbers. This allows beneficial insects time to more effectively manage developing pest populations.

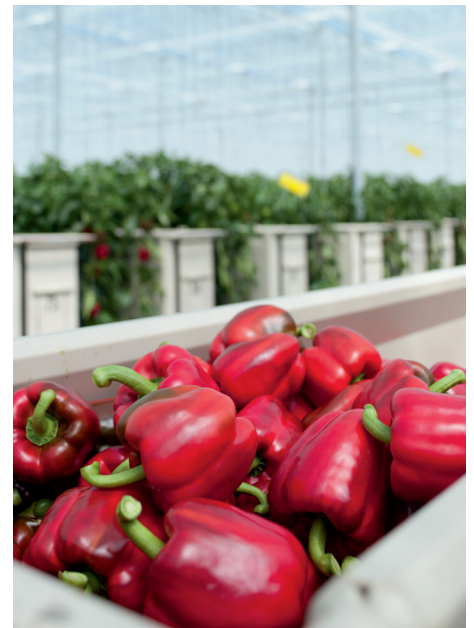
Repeat applications should be made as necessary, at least 3 and up to 7 days apart. Use 3 day intervals when insect pressure is higher.

Generally, 3 consecutive weekly applications are required for adequate pest suppression.

Do NOT apply during or just before overhead irrigation. Overhead irrigation within one day of treatment could wash spores off and reduce efficacy.



Multiplying Velifer spores creating a characteristic 'icing sugar' effect on the insect body



For more information on Velifer, visit crop-solutions.basf.com.au
or contact your local BASF representative on **1800 558 399**

ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCT IN THIS FACT SHEET.

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