

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

VELIFER[®]

Biological Insecticide

ACTIVE CONSTITUENT: *Beauveria bassiana* strain PPRI 5339
($>8 \times 10^9$ colony forming units per ml)

For the population suppression of thrips, whitefly, aphids and mites in protected horticulture

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING

CONTENTS: 0.25L, 0.5L, 1L, 5L, 10L, 1000L IBC

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APVMA Approval No: 85696/113870

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply during or just before overhead irrigation.

DO NOT apply in open field situations.

Applications may only be made under covered or protected situations such as glasshouses, shade houses or plastic tunnels.

This is a temperature sensitive product, please review storage conditions

SITUATION	PEST	RATE	WHP	CRITICAL COMMENTS
Protected vegetables and ornamentals	Suppression of Western Flower Thrips (<i>Frankliniella occidentalis</i>)	50 ml/100L	0 days	<p>Apply when pests are first detected in the crop or above economic thresholds.</p> <p>Repeat applications are to be made as necessary at an interval of 3-14 days. Use Shorter application intervals when insect pressure is higher. Generally, 3 consecutive weekly applications are required for adequate pest suppression.</p> <p>Velifer biological insecticide should be applied in a water volume ranging from 500 to 2500 L/ha.</p> <p>It is important to ensure coverage on the bottom side of the leaves where pests might be located.</p> <p>In higher pest situations, Velifer biological insecticide is best used within an Integrated Pest Management program in conjunction with a chemical insecticide.</p>
	Onion Thrips (<i>Thrips tabaci</i>)			
Protected vegetables and ornamentals	Greenhouse Whitefly (<i>Trialeurodes vaporarum</i>)	90 ml/100L	0 days	<p>Velifer biological insecticide should be applied in a water volume ranging from 500 to 2500 L/ha.</p> <p>It is important to ensure coverage on the bottom side of the leaves where pests might be located.</p> <p>In higher pest situations, Velifer biological insecticide is best used within an Integrated Pest Management program in conjunction with a chemical insecticide.</p>
	Silverleaf Whitefly (<i>Bemisia argentifolii</i>)			
	Sweet Potato Whitefly (<i>Bemisia tabaci</i>)			
	Suppression of Green Peach Aphid (<i>Myzus persicae</i>)			
	Rose Aphid (<i>Macrosiphum rosae</i>)			
Protected vegetables and ornamentals	Chrysanthemum Aphid (<i>Macrosiphoniella sanborni</i>)	90 ml/100L	0 days	<p>Velifer biological insecticide should be applied in a water volume ranging from 500 to 2500 L/ha.</p> <p>It is important to ensure coverage on the bottom side of the leaves where pests might be located.</p> <p>In higher pest situations, Velifer biological insecticide is best used within an Integrated Pest Management program in conjunction with a chemical insecticide.</p>
	Two Spotted Spider Mite (<i>Tetranychus urticae</i>)			

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

Not required when used as directed

GENERAL INSTRUCTIONS

Velifer Biological Insecticide is best used on low pest populations to maintain pressure below economic damage threshold. Although the efficacy of Velifer Biological Insecticide at 90 mL/100 L (0.09%) was generally not as high as that of chemical products, the efficacy is considered high enough for management of pest populations under normal conditions.

Spray sufficient Velifer/water mixture, to obtain full crop coverage, but not to the point of run off.

Velifer Biological Insecticide is a contact insecticide and it is essential that the spores make contact with all the insects, to be treated. Apply, as a full cover film spray, using conventional spray equipment. Good coverage is essential, but not to the point of run off.

Due to UV sensitivity, it is recommended that Velifer is applied during the afternoon, or evenings. Mixed volumes must be applied as soon as possible and not left overnight, or standing in the sun. Velifer does not impose any risk of residues in harvested crops.

Heavy rain or overhead irrigation, within one day of treatment, could wash spores off and reduce efficacy - repeat treatment.

MIXING

SHAKE WELL BEFORE USE

Before use ensure that all application equipment is clean. Half fill spray tank with water and start agitation. Before opening the bottle of Velifer, agitate the bottle by repeated inversions to re-suspend fungal spores that may have settled during transport and storage. Add the required quantity of Velifer. Fill the tank to the required volume whilst maintaining agitation. Continuous agitation must be maintained until spraying is complete.

All application equipment should be cleaned thoroughly with water prior to storage.

COMPATIBILITY

Contact BASF technical representative 1800 558 399 for more information on compatibility

INTERGRATED PEST MANAGEMENT

The use of additional chemical control measures is important to minimise the risk of resistance to Velifer biological insecticide developing with repeated, ongoing use.

Precautions

Not for domestic use.

Re-entry or Rehandling

Do not enter treated areas until spray has dried or dissipated and enclosed area has been thoroughly ventilated, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing), gauntlet-length chemical resistant gloves and disposable mist face mask covering mouth and nose. Clothing must be laundered after each day's use.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Harmful to bees. DO NOT spray while bees are actively foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Contains live biological components. DO NOT ALLOW TO FREEZE. Store between 4° - 20° C
2 years shelf life when stored at 4°C (refrigerated), 12 months shelf life when stored at 20°C (air conditioning).

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the containers below 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

SAFETY DIRECTIONS

Contains *Beauveria bassiana* strain PPRI 5339. Micro-organisms may have the potential to provoke a sensitizing reaction. May irritate the eyes. Repeated exposure may cause allergic disorders. Avoid contact with eyes. When opening the container, preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), gauntlet-length chemical resistant gloves and disposable mist face mask covering mouth and nose. Wash hands after use. After each day's use wash gloves, goggles or safety glasses and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If in eyes wash out immediately with water.

CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd ABN 62008437867 or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

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Batch No:

Date of Manufacture:

Expiry date:

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