

POISON

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

Venom[®] Professional 100 SC Insecticide

ACTIVE CONSTITUENT: 100 g/L BIFENTHRIN

GROUP **3A** INSECTICIDE

For the control of a range of pests in Turf and Ornamental plants, for the control of mosquitoes, biting midges and flies by forming Residual Surface Treatments on a range of urban interior and exterior pests as specified in the Directions for Use Table.

Formulation type
Suspension
Concentrate

SC

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CONTENTS: 5 L

DIRECTIONS FOR USE

RESTRAINTS

- DO NOT use in situations where predatory mites are established and proving effective mite control.
- DO NOT apply if rainfall is expected before spray deposits dry on leaf surfaces.
- DO NOT use this product at less than recommended label rate.
- DO NOT apply to soils if excessively wet or immediately prior or after heavy rainfall to avoid run-off of the chemical.
- DO NOT apply to mud, sand mangrove or aquatic habitat.
- DO NOT apply as an Ultra Low Volume (ULV) or via thermal fogging treatment.

CROP	PEST	RATE	CRITICAL COMMENTS
Roses, Carnations and other ornamental plants	Two spotted mite (<i>Tetranychus urticae</i>)	30 or 40 mL/100 L	Apply at first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on 10-14 day interval. Best results are obtained from preventative rather than curative applications.
	Aphids	20 mL/100 L	Where indicated, use higher doses for knockdown of established pest infestations or when longer residual activity is required. Spray to run off using a spray volume of 1000-1500 L/ha.
	Caterpillars and loopers including heliothis (corn ear worm, native bud worm) <i>Helicoverpa</i> spp., light brown apple moth (<i>Epiphyas postvittana</i>) and geranium plume moth (<i>Sphenarches Anisodactylus</i>)	20 mL/100 L	Apply at first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on 10-14 day interval. Best results are obtained from preventative rather than curative applications. Spray to run off using a spray volume of 10 – 15 litres per 100 square metres covering both leaf surfaces.

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CROP	PEST	RATE	CRITICAL COMMENTS
Roses, Carnations and other ornamental plants <i>Cont.</i>	Whitefly (<i>Trialeurodes vaporariorum</i>), Pointsettia whitefly (<i>Bemisia tabaci</i> Biotype B.)	20-80 mL/ 100 L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. More than three sprays may be required to control an existing infestation. Spray to run off covering both leaf surfaces. Use the higher rate when pest pressure is high, when conditions favour pest development or when increased residual protection is required.
	Mealy bug (<i>Pseudococcus longispinus</i>)	20 mL/100 L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Spray to run off covering both leaf surfaces.
	Plague thrips (<i>Thrips imagines</i> , <i>T. simplex</i> and <i>T. hawaiiensis</i>)	20 mL/100 L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Ensure that flowers and buds are sprayed. Spray to run off. When buds are opening rapidly and pest pressure is high reducing the spray interval to 3-4 days will give better results. Monitor the population by regular inspection.
	Cutworm (<i>Agrotis</i> spp.) in beds, containers and pots	1.2 L/ha 12 mL/100 m ²	Spray evenly over the area to be treated. After application apply approximately 5 mm of sprinkler irrigation. Apply as a drench at a rate of 2 litres of prepared spray per square metre of pot area.
Turf (e.g. Lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	Lawn armyworm (<i>Spodoptera mauritia</i>), Sod webworm (<i>Herpetogramma licarsisalis</i>)	1.2 L/ha (12 mL/100 m ²)	Mix Venom® Professional 100 SC in water and apply evenly over the area to be treated using spray application equipment. Use a minimum total volume of at least 200 L/ha (2 L/100 m ²). To ensure optimum control, irrigate the treated area with up to 4 mm of water soon after application. Inspect treated areas for continuing activity. Reapply as required. Where a rate range is indicated use lower rates under lower insect pressure and higher rates under higher insect pressure. Apply after mowing to minimise loss of insecticide in clippings.
	Argentine stem weevil adults (<i>Listronotus bonariensis</i>)	1.2-2.4 L/ha (12-24 mL/100 m ²)	
	African black beetle adults (<i>Heteronychus arator</i>)	2.5-3.6 L/ha (25-36 mL/100 m ²)	
	Billbug adults (<i>Sphenophorus brunnipennis</i>)	1.2-2.43 L/ha (12-24 mL/100 m ²)	
	Black ant, Costal brown ant, funnel ant, Meat ant, Sugar ant and Stinging ant only	1.2-4.4 L/ha (12-44 mL/ 100 m ²)	Mix Venom® Professional 100 SC in water and apply evenly over the area to be treated using spray application equipment. Apply to areas where ants are active. Where possible spray directly into the nests. Use the low rate for maintenance treatments or to control light infestations and the high rate for heavy infestations and for maximum residual control. The elimination of funnel ants from a particular site will generally require more than one application. Initial applications should be broadcast over affected areas. As the initial numbers of active colonies is reduced, application should shift to targeting active mounds. Apply spray directly to the mound and in the area immediately surrounding active mounds (300 mm radius). To aid in even coverage a minimum spray volume of 200 L/ha (2 L/ 100 m ²) is recommended.
Internal and external Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structure	Spiders	25-50 mL/10 L	Use the higher rate where pest pressure is high, when rapid knockdown and/or maximum residual protection is desired. For overall band surface spray, apply as a course, low pressure surface spray to areas where spiders hide, frequent and rest. On non-porous surfaces apply as a course spray at the rate of 1 L solution per 20 m ² ensuring thorough coverage of the treated surfaces. On porous surfaces use through power equipment, spray at rate of 1 L solution per 10 m ² ensuring thorough coverage of the treated surfaces. In an outdoor situation, pay particular attention to protected dark areas such as cracks and crevices, under floors, eaves and other known hiding or resting places. For indoor use, pay particular attention to protected dark areas such as cracks and crevices, behind and under sinks, stoves, refrigerators, furniture, pipes, cornices, skirting boards & other known hiding or resting places. Do not use as a space spray. Do not exceed point of run off. For crack and crevice treatment use an appropriate solid stream nozzle. For maximum spider control use a two part treatment. 1. Crack and crevice. 2. Overall band spray of surfaces.
	Papernest Wasps	50 mL/10 L	Apply prepared emulsion to the point of runoff directly to the papernest ensuring thorough and even coverage. Do not exceed the point of run-off. When all adult wasps have been knocked down the nest may be safely removed from the surface.
	Ants (excluding Red Imported Fire Ants) and Cockroaches	50-100 mL/10 L	On non-porous surfaces apply as a coarse spray at the rate of 1 L of solution per 20m ² . When treating non-porous surfaces do not exceed the point of run-off. On porous surfaces or use through power equipment, spray at the rate of 1 L of solution per 10m ² . When treating porous surfaces do not exceed the point of run-off. Use the higher rate in situations where pest pressure is high, when rapid knockdown and/or maximum residual protection is desired. The lower rate may be used for follow-up treatments. For indoor use, pay particular attention to protected dark areas such as cracks and crevices, behind and under sinks, stoves, refrigerators, furniture, pipes, cornices, skirting boards and other known hiding or resting places. Do not use as a space spray. To control ants to trails and nests. Repeat as necessary. For perimeter treatments apply the prepared solution to a band of soil or vegetation two to three meters wide around and adjacent to the structure. Also treat the foundation of the structure to a height of approximately one meter. Use a spray volume of 5 to 10 L per 100m ² . Higher volumes of water may be needed if organic matter is present or foliage is dense.
Internal and external Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures suitable for Residual Surface Treatments	Mosquitoes, Biting midges, Flies, Fleas and Ticks	50-100 mL/10 L	To form Residual Surface Treatments, apply prepared solution to indoor and outdoor surfaces where insects rest of harbour. Internal harbourage sites include (but are not restricted to) areas such as walls, fly screens, behind and under sinks, under furniture and indoor plants. External harbourage sites include (but are not restricted to) areas such as building exteriors, eaves, walls, fences, also garages, sheds, gazebos, ornamental plants, bushes, shrubs, hedges, shady or damp areas around buildings. Reapply as necessary. When applying to vegetation, ensure that spray penetrates entire plant or hedge and covers both leaf surfaces. For perimeter or harbourage treatments, apply, the prepared solution to a band of soil or vegetation two to three meters wide around and adjacent to the structure. Also treat the foundation of the structure to a height or approximately one meter. Use a spray volume of 5 to 10 L per 100m ² . Higher volumes of water may be needed if organic matter is present or foliage is dense. On non-porous surfaces apply as a course spray at the rate of 1 L of solution per 20m ² . When treating non-porous surfaces, do not exceed the point of run-off. On porous surfaces spray at the rate of 1 L of solution per 10m ² . When treating porous surfaces, do not exceed the point of run-off. Use the higher rate in situations where pest pressure is high, when rapid knockdown and maximum residual protection is desired. The lower rate may be used for follow-up treatments.

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

LEGISLATION.

NOTICE

The product is designed for the particular purpose indicated on the label. Failure to use the product strictly as directed may be illegal, dangerous and render the product ineffective.

GENERAL INSTRUCTIONS

Venom® Professional 100 SC Insecticide is a contact and residual insecticide/miticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when Venom® Professional 100 SC Insecticide is applied before pest populations build up to damaging levels. Ants, cockroaches, fleas, flies, mosquitoes, spiders, ticks and wasps are controlled by direct contact with spray and also by residual action as they come into contact with treated surfaces.

Vector Control: Venom® Professional 100 SC Insecticide is a powerful knockdown and residual pesticide. While flies, midges and mosquitoes are controlled by direct contact with spray, effective sustained control is achieved by residual action as they come into contact with treated surfaces.

APPLICATION

Venom® Professional 100 SC is a suspension concentrate requiring dilution with water prior to use. Applications should be made with equipment calibrated to deliver a fine dilute spray in a suitable volume to ensure thorough coverage. Use suitable application equipment and preferably cone nozzle combinations to deliver appropriate spray volume and a droplet size of 150 to 200 microns. DO NOT apply as a fog or mist. **For vector control applications:** Venom® Professional 100 SC can be applied by a variety of application techniques, such as power sprayers, hand-held pump sprayers or backpack sprayers, which are operated to produce large droplets to minimise spray drift. However, the product must not be applied by ULV or fogging equipment, which produce small droplets that may result in off-target drift.

MIXING

Add the required amount of Venom® Professional 100 SC to water in the spray tank and mix thoroughly. Maintain agitation during both mixing and application.

SURFACTANTS

Venom® Professional 100 SC contains a surfactant. Additional surfactant may be necessary on hard to wet plants and high volume situations.

RESISTANCE WARNING

For insecticide resistance management
Venom® Professional 100 SC Insecticide
is a Group 3A Insecticide. Some naturally
occurring insect biotypes resistant to Venom® Professional 100 SC may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Venom® Professional 100 SC or other Group 3A Insecticides are used repeatedly. The effectiveness of Venom® Professional 100 SC on resistant individual can be significantly reduced. Since occurrence or resistant individuals is difficult to detect prior to use, Adama Australia Pty Ltd. accept no liability for any loss that may result from the failure of Venom® Professional 100 SC to control resistant insects. Venom® Professional 100 SC may be subject to specific resistant management strategies. For further information, contact your local supplier or Adama representatives or local agricultural department agronomist.



PRECAUTIONS AND RE-ENTRY PERIOD:

DO NOT spray directly on humans, pets or animals. Avoid contact with food, food utensils or preparation surfaces.

Re-Entry Period for vector control and general pest control applications:

Ventilate indoor treated areas and allow all areas to be completely dry (normally 3-4 hours) before re-occupying. When prior entry is necessary, wear cotton overalls buttoned to the neck, wrist and elbow-length PVC, neoprene or nitrile gloves and chemical resistant footwear. Clothing must be laundered after each day's use.

Re-Entry Period for turf application:

Do not allow entry into treated areas until the spray deposits have dried or been watered in after treatment. When prior entry is necessary, wear suitable protective clothing (i.e. Waterproof boots, overalls and gloves). Clothing must be washed after each days use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND THE ENVIRONMENT

Dangerous to fish or other aquatic organisms. Cover or remove fish ponds, aquariums etc. before spraying. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF LIVESTOCK

DO NOT spray directly on humans, pets or animals. Before spraying remove animals and pets from the areas to be treated. Avoid contact with food, food utensils or preparation surfaces. Cover or remove any open food and water containers. Dangerous to bees. DO NOT spray any plants in flower when bees are foraging. Spray in the night or early morning when bees are not actively foraging.

STORAGE, SPILLAGE AND DISPOSAL

Store in closed original containers, in a cool well ventilated areas away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight. In case of spillage, confine and absorb spilled product with absorbent material such as sand clay or cat litter. Dispose of waste as indicated below or according to Australian Standard AS2507- Storage and Handling of Pesticides. DO NOT allow spilled product to enter sewers, drains, creeks or other waterways. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 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. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Poisonous If swallowed. May irritate the eyes and skin. Repeat exposure may cause allergic disorders. Avoid contact with eyes and skin.

When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC or nitrile gloves.

When using the prepared spray wear protective waterproof clothing, elbow-length PVC or nitrile gloves and water resistant footwear. After each day's use, wash gloves and contaminated clothing. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for Venom® PROFESSIONAL 100 SC Insecticide is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of Venom® PROFESSIONAL 100 SC Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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