



Product Name: Superway Grub, Ant and Pest Controller

APVMA Approval No: 89025 / 123265



Label Name:	Superway Grub, Ant and Pest Controller
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	100 g/L BIFENTHRIN
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Mode of Action:	GROUP 3A INSECTICIDE
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Statement of Claims:	For the control of a range of pests in Turf and Ornamental plants. For the control of a wide range of urban interior and exterior pests. For the control of Ants, Lawn grub/Army worm, African black beetle by forming Residual Surface Treatments on a range of urban Interior and exterior situations as specified in the Directions for Use.
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Net Contents:	1L to 1000L
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Restrains:	DO NOT use this product at less than indicated label rates. DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the chemical. DO NOT use in cavity walls DO NOT apply to mud, sand, mangrove or aquatic habitat. DO NOT use as an Ultra Low Volume (ULV) or via thermal fogging treatment. DO NOT use in situations where predatory mites are established and providing effective mite control. DO NOT apply if rainfall is expected before spray deposits dry on leaf surfaces.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
Withholding Periods:	
Trade Advice:	
General Instructions:	<p><b>General Instructions</b>  Superway Grub, Ant and Pest Controller is a powerful knockdown and residual pesticide. Ants, cockroaches, biting midges, 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.</p> <p><b>Mixing</b>  Add the required quantity of Superway Grub, Ant and Pest Controller to water in the spray tank and mix thoroughly. Maintain agitation during both mixing and application.</p>
Resistance Warning:	<p><b>Insecticide Resistance Warning</b>  GROUP 3A INSECTICIDE</p> <p>For insecticide resistance management is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to Superway Grub, Ant and Pest Controller and other group 3A insecticide may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Superway Grub, Ant and Pest Controller or other group 3A insecticides are used repeatedly. The effectiveness of Superway Grub, Ant and Pest Controller on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Pooma Fertilizers Pty Ltd accepts no liability for any losses that may result from the failure of Superway Grub, Ant and Pest Controller to control resistant insects. Superway Grub, Ant and Pest Controller may be subject to specific resistance management strategies. For further information, contact your local supplier or Pooma Fertilizers representatives or local agricultural department agronomist.</p>
Precautions:	<p><b>PRECAUTIONS</b>  DO NOT spray into the air or directly on humans, pets or animals. Avoid contact with food, food utensils or preparation surfaces.  DO NOT use as a space spray.</p>
Protections:	<p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT</b>  Dangerous to fish and aquatic organisms. DO NOT contaminate dams, rivers, streams, waterways or drains with product or the used container.</p> <p><b>PROTECTION OF PETS AND LIVESTOCK</b>  DO NOT spray directly on humans, pets or animals. Before spraying, remove animals and pets from the areas to be treated. Cover or remove fish ponds, aquariums etc before spraying. Avoid contact with 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.</p>

Storage and Disposal:	<p>Keep out of reach of children. Store in the closed, original container in a cool well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p>Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site.</p> <p>If recycling, replace cap and return clean containers to recycler or designated collection point.</p> <p>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 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. Do not burn empty containers or product.</p> <p>For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	<p>Poisonous if swallowed. May irritate eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin.</p> <p>When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and 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, contaminated clothing. Wash hands after use.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766</p>
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First Aid Warnings:	
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## DIRECTIONS FOR USE

CROP	PEST	RATE	CRITICAL COMMENTS
Roses, Carnations & other ornamental plants	Two Spotted Mite ( <i>Tetranychus urticae</i> )	30 or 40 mL/100L	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. Where indicated, use the higher dosage 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.
	Aphids	20 mL/100L	
	Caterpillars and Loopers including Heliothis (Corn Ear Worm, Native Budworm), <i>Helicoverpa</i> spp., Light Brown Apple Moth ( <i>Epiphyas postvittana</i> ), Geranium Plume Moth ( <i>Sphenarches anisodactylus</i> )		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.
	Whitefly ( <i>Trialeurodes vaporariorum</i> ), Pointsettia White Fly ( <i>Bemisia tabaci</i> Biotype B)	20-80 mL/100L	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/100L	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/100L	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 square meters	Spray evenly over the area to be treated. After application apply approximately 5 mm of sprinkler irrigation.
20 mL/100L		Apply as a drench at the rate of 2 litres of prepared spray per square metre of pot area.	

Turf (eg. Lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	Lawn Armyworm ( <i>Spodoptera maurita</i> ), Sod Webworm ( <i>Heptetogramma licarsialis</i> )	1.2 L/ha (12 mL/100m <sup>2</sup> )	Mix Superway Grub, Ant and Pest Controller 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/100m <sup>2</sup> ). 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/100m <sup>2</sup> )	
	African Black Beetle adults ( <i>Heteronychus arator</i> )	2.5-3.6 L/ha (25-36 mL/100m <sup>2</sup> )	
	Billbug adults ( <i>Sphenophorus brunnipennis</i> )	1.2-2.43 L/ha (12-24 mL/100m <sup>2</sup> )	
	Black Ant, Coastal Brown Ant, Funnel Ant, Meat Ant, Sugar Ant and Stinging Ant only	1.2 - 4.4 L/ha (12-44 mL/100m <sup>2</sup> )	Mix Superway Grub, Ant and Pest Controller 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/100m <sup>2</sup> ) is recommended.

PEST	SITUATIONS	STATE	RATE	CRITICAL COMMENTS
Spiders	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	25-50 mL/10 L	<p>Use the higher rate in situations where pest pressure is high, when rapid knockdown and/or maximum residual protection is desired. For overall band surface spray, apply as a coarse, low pressure spray to areas where spiders hide, frequent and rest. On non-porous surfaces apply as a coarse spray at the rate of 1 L of emulsion per 20 m<sup>2</sup> ensuring thorough coverage of the treated surfaces. When treating non-porous surfaces do not exceed the point of run-off.</p> <p>On porous surfaces or use through power equipment, spray at the rate of 1 L of emulsion per 10 m<sup>2</sup> ensuring thorough coverage of the treated surfaces. When treating porous surfaces do not exceed the point of run-off.</p> <p>In an outdoor situations, 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 crack and crevices, behind &amp; under sinks, stoves, refrigerators, furniture, pipes, cornices, skirting boards and other known hiding or resting places. DO NOT use as a space spray.</p> <p>For crack and crevice treatment use an appropriate solid stream nozzle. For maximum spider control use a two part treatment.</p> <ol style="list-style-type: none"> <li>1. Crack and crevice.</li> <li>2. Overall band spray of surfaces.</li> </ol>
Papernest Wasps	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	50 mL/10 L	<p>Apply prepared emulsion to the papernest ensuring thorough and even coverage. When applying emulsion do not exceed the point of run-off. When all adult wasps have been knocked-down the nest may be safely removed from the structure.</p>
Ants (excluding Red Imported Fire Ants) and Cockroaches	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	50-100 mL/10 L	<p>On non-porous surfaces apply as a coarse spray at the rate of 1 L of emulsion per 20 m<sup>2</sup>. When treating non-porous surfaces do not exceed the point of run-off.</p> <p>On porous surfaces or use through power equipment, spray at the rate of 1 L of emulsion per 10 m<sup>2</sup>. When treating porous surfaces do not exceed the point of run-off.</p> <p>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.</p> <p>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 &amp; other known hiding or resting places. DO NOT use as a space spray. To control ants apply to trails and nests. Repeat as necessary.</p> <p>To control fleas and ticks apply prepared emulsion to outside surfaces of buildings and surrounds including but not limited to foundations, verandahs, window frames, eaves, patios, garages, pet housing, soil, turf, trunks of woody ornamentals or other areas where pests congregate or have been seen.</p> <p>To control flies and mosquitoes apply prepared emulsion to surfaces where insects rest or harbour. Reapply as necessary. For perimeter treatments apply the prepared emulsion 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 metre. Use a spray volume of 5 to 10 L per 100 m<sup>2</sup>. Higher volumes of water may be needed if organic matter is present or foliage is dense.</p> <p>When applying to concealed areas (eg such as wall cavities), foaming agents are useful in achieving greater penetration where a thorough application is difficult to achieve.</p>

<p>Mosquitoes, Biting midges, Fleas, Flies, Ticks (Adults &amp; Nymphs)</p>	<p>Internal &amp; External Areas &amp; Surrounds of Domestic, Commercial, Public &amp; Industrial buildings and structures suitable for residual surface treatments</p>	<p>All States</p>	<p>50-100 mL/10 L</p>	<p>To form Residual Surface Treatments, apply prepared emulsion to indoor and outdoor surfaces where insects rest or harbour.</p> <p>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.</p> <p>For perimeter or harbourage treatments, apply the prepared emulsion to a band of soil or vegetation two to three metres wide around and adjacent to the structure. Also treat the foundation of the structure to a height of approximately one metre. Use a spray volume of 5 to 10 L per 100 m<sup>2</sup>. Higher volumes of water may be needed if organic matter is present or foliage is dense. On non-porous surfaces apply as a coarse spray at the rate of 1 L of emulsion per 20 m<sup>2</sup>. When treating non-porous surfaces do not exceed the point of run-off.</p> <p>On porous surfaces spray at the rate of 1 L of emulsion per 10 m<sup>2</sup>. When treating porous surfaces do not exceed the point of run-off.</p> <p>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.</p> <p>When applying to concealed areas (eg such as wall cavities), foaming agents are useful in achieving greater penetration where a thorough application is difficult to achieve.</p>
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**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS  
AUTHORISED UNDER APPROPRIATE LEGISLATION.**