



Product Name: PYRATE NATURAL INSECTICIDE  
APVMA Approval No: 88596/121770



Label Name:	PYRATE NATURAL INSECTICIDE
Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENTS: 40 g/L PYRETHRINS 160 g/L PIPERONYL BUTOXIDE
Mode of Action:	GROUP 3A INSECTICIDE
Statement of Claims:	For indoor and outdoor use for the control of a wide range of insects including insect pests of household and agricultural situations as per the DIRECTIONS FOR USE table.
Net Contents:	250mL-4.5L; 5L-1000L
Restrains:	RESTRAINTS: DO NOT apply if rain is expected within 2 hours. DO NOT mist in windy conditions.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	WITHHOLDING PERIOD: DO NOT HARVEST FOR 1 DAY AFTER SPRAYING.
Trade Advice:	

General Instructions:	<p>Pyrate Natural Insecticide contains pyrethrum extracted from pyrethrum daisies. The natural extract is formulated with other synthetic constituents to optimize effectiveness.</p> <p><b>MIXING / APPLICATION</b> Shake original container well before use. For Crop, Ornamental or Fern / Indoor plant use, dilute with water in accordance with the Directions for Use table.</p> <p>For SURFACE SPRAY and SPACE SPRAY/COLD FOGGING treatments dilute 100 mL of Pyrate Natural Insecticide per 900 mL water (or oil for thermal fogging application). Apply this diluted rate over area or volume indicated under Directions For Use table and in accordance with the equipment manufacturer's recommendations for the output rates required. Periodically agitate suspension during application to ensure mixing. DO NOT store diluted insecticide. Prepare a fresh solution as necessary. DO NOT spray the moving parts of any machinery, electric motors or switchgear.</p> <p><b>EQUIPMENT</b> Pyrate Natural Insecticide may be sprayed through boom sprayers, misting equipment, thermal fogging equipment, cold aerosol generating ULV equipment, hand-held or knapsack sprayers in accordance rates and situations specified in the Directions for Use table.</p>
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Resistance Warning:	<p><b>INSECTICIDE RESISTANCE WARNING</b> For insecticide resistance management Pyrate Natural Insecticide is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to Pyrate Natural Insecticide and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Pyrate Natural Insecticide or other Group 3A insecticides are used repeatedly. The effectiveness of Pyrate Natural Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to predict prior to use, FREEZONE PUBLIC HEALTH PTY LTD accepts no liability for any losses that may result from the failure of Pyrate Natural Insecticide to control resistant insects. Pyrate Natural Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, FREEZONE PUBLIC HEALTH PTY LTD or local agricultural department agronomist.</p>
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Precautions:	<p><b>PRECAUTIONS</b> AVOID CONTACT WITH FOOD, FOOD UTENSILS, OR PLACES WHERE FOOD IS PREPARED OR STORED.</p> <p><b>BEFORE USE – REMOVE OR COVER ALL EXPOSED FOODSTUFFS. COVER ALL DISHES AND UTENSILS, AND SURFACES WHERE FOOD IS TO BE PREPARED OR STORED.</b></p> <p><b>AFTER USE – THOROUGHLY VENTILATE TREATED AREA. CLEAN THOROUGHLY BEFORE PROCESSING/SERVING RESUMES.</b></p>
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Protections:	<p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT</b> Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p> <p><b>PROTECTION OF PETS AND LIVESTOCK</b> Before spraying, remove animals and pets from areas to be treated. Cover or remove any open food and water storage containers. Cover or remove fish ponds, aquariums, etc before spraying. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.</p>
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Storage and Disposal:	<p><b>STORAGE AND DISPOSAL</b> <b>KEEP OUT OF REACH OF CHILDREN.</b></p> <p>Store in closed, original container in a dry cool, well ventilated area. Avoid storage at temperatures below 15C if possible. If product is stored below 15C some haziness may be apparent, which will disappear on shaking container. <b>DO NOT</b> store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank.</p> <p><b>DO NOT</b> 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 empty packaging for appropriate disposal 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 setup for this purpose clear or waterways, desirable vegetation and tree roots, in compliance with relevant Local, State and Territory government regulations. <b>DO NOT</b> burn empty containers or product.</p> <p>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><b>SAFETY DIRECTIONS</b></p> <p>Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. <b>DO NOT</b> inhale vapour. Wash hands after use.</p>
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First Aid Instructions:	<p><b>FIRST AID</b></p> <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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SITUATION	PEST	RATE	CRITICAL COMMENTS
Fruit and vegetable crops	Ants, aphids, thrips, caterpillars, leafhoppers, whiteflies	Mix 2 mL per 1 L of water	Apply as a fine mist spray when infestation occurs. Pests must be contacted with spray. Monitor treated crops for surviving pests. If pests have not been adequately controlled reapply Pyrate Natural Insecticide or apply an insecticide with a different mode of action.
Ornamentals	Ants, aphids, thrips, caterpillars, leafhoppers, whiteflies	Mix 2 mL per 1 L of water	Apply as a fine mist spray when infestation occurs. Pests must be contacted with spray.
Ferns, Indoor Plants	Ants, aphids, thrips, caterpillars, leafhoppers, whiteflies	Mix 2 mL per 3 L of water	Apply as a fine mist spray when infestation occurs. Pests must be contacted with spray.
Domestic, commercial, industrial and public buildings including: food processing establishments, shops, factories, hotels and motels, ships, shipping containers, offices, schools, storerooms, warehouses, hospitals, barracks, private houses and external areas associated with such establishments. Agricultural buildings including: storage sheds, milking sheds, poultry sheds, barns, kennels and stables.	Flies, mosquitoes, ants, silverfish, moths, cockroaches, grain weevils, spiders, earwigs, beetles and other flying insects	Surface Spray 125-170 mL#/100 m <sup>2</sup> Space Spray or cold fog 35 mL#/1000 m <sup>3</sup> Thermal (Hot) fogging 70 mL#/1000 m <sup>3</sup>	Dilute with suitable volume of water and use hand held or knapsack sprayers. For treatment of crawling insects direct spray into cracks and crevices. Dilute with suitable volume of water and direct spray or fog to all parts of the area. Dilute with suitable volume of oil and using thermal fogging equipment, fog to all parts of the area.
Outdoors	Adult mosquitoes	280mL/ha	Dilute with suitable volume of oil and use through misting or fogging equipment.
	midges and flies	500 mL/ha	

# Refer to Mixing and Application instructions for dilution rates in water and oil.

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