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Net: 500a

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ACCREDITED

A biological insecticide containing Bacillus thuringiensis subspecies israelensis for the control of mosquito larvae



Vectobac WG

Active Ingredient: Contains 3000 International Toxic Units/mg Bacillus thuringiensis subspecies israelensis (Serotype H14), fermentation solids and solubles, ATCC-1276, Strain AM62-52 in the form of a water dispersible granule.

HAZARD CLASSIFICATION: 9.1D APPROVED HANDLER: This product must be under the control of an approved handler when it is applied directly into or over water.

This product must not be used for any purpose, or in any manne contrary to this label unless authorised under appropriate legislation.

ECOTOXIC: Do not apply this substance in a way that adversely affects native mosquitoes of a species found only in the region of application Avoid contamination of any water supply with chemical or empty

HANDLING PRECAUTIONS STORAGE: Keep out of reach of children. Store in original container, tightly closed, in a cool, dry place away from foodstuffs. Vectobac WG is a biological larvicide containing protein crystals and bacterial spores. Activity can be impaired unless protected from high temperatures at a times. Store below 25°C. Avoid exposure to direct sunlight or leaving container in vehicles or other similar enclosed places on sunny days Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing more than 1000kg of Vectobac WG require emergency

response plans, and 10,000kg require signage. PERSONAL PROTECTION: Avoid contact with skin and eyes an inhalation of spray mist. Wash hands and exposed skin before meals

and after work.

EQUIPMENT: Apply using well maintained and accurately calibrated

DISPOSAL: Ensure container is completely empty. Burn empty container if wind direction permits, otherwise bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved landfill.

First Aid: If swallowed, do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor

In case of contact with skin or eyes, flush immediately with plenty of clean water. If irritation persists, see a doctor.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without creating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely.

Mixing and Application: Vectobac WG may be applied by calibrated ground or aerial equipment. The application volume must be sufficient to provide uniform coverage of the target area and will be influenced by the weather, the application equipment and the mosquito habitat. Do not mix

more Vectobac WG with water than can be used within 48 hours. Ground Application: Half fill the spray tank with water and with the agitation system running, add the required amount of Vectobac WG. Mild agitation should be maintained during use and after a stoppage before recommencing spraying. Normal volumes of application will range from

Aerial Application: Fill the mixing tank with the desired quantity of water. Start the agitation to provide moderate circulation before adding the Vectobac WG. Vectobac WG readily suspends in water and will stay suspended over normal application periods. Brief recirculation may be necessary if the spray mixture has sat for several hours. Avoid continuous

agitation of the spray mixture during spraying. Where spray sites are uniform with low vegetation cover, fine spray droplets (25-75 microns VMD) can be used. Where vegetation is more

dense, larger droplets (100-300 microns VMD) may be more effective. Vectobac WG solution is corrosive to aluminium spray system components if left in prolonged contact. Rinse spray system with plenty of clean water

Directions For Use: Vectobac WG is effective against 1st to early 4th instar

mosquito larvae. Larvicidal activity due to destruction of the midgut lining occurs within 12 hours of ingestion. Because 4th instar larvae do not feed prior to pupation, application must be made during the early stages of the life cycle. The use of Vectobac WG is not recommended if more than 50% of the larval population is in the late 4th instar stage.

PEST	HABITAT	RATE / HA	NOTES
Mosquitoes including the following:	Irrigation ditches, stagnant standing ponds	125g-250g	Use the low rate when populations are low and larvae are mainly 1st - 3rd instar. Use the higher rate when populations are high, if larvae are mainly late 3rd to early 4th instar, or if water is polluted. Reapply as needed. A 7 day spray interval should be maintained in most situations.
Culex pervigilans Culex quinquefasciatus Culiseta tonnoiri	Tidal water, salt marshes, storm water retention areas	250g-500g	
Opifex fuscus Ochlerotatus antipodeus Ochlerotatus australis Ochlerotatus camptorhynchus Ochlerotatus notoscriptus Stegomyia aegyptia Stegomyia albopicta	Polluted or highly organic water, sewage ponds, animal waste areas	500g-1kg	

Approved pursuant to the HSNO Act 1996, Approval Code HSR000702.

See www.ermanz.govt.nz for approval controls.

CONDITIONS OF SALE:

CALITION: READ THIS NOTICE REFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below:

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient even though the product is reasonably fit for the purposes stated in this label. and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, quarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise

are expressly excluded. When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage. injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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Nufarm Emergency Phonelink: 0800 651 911 (24 hours)