

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

HAZARD CLASSIFICATION: 9.1D

This product must not be used for any purpose, or in any manner, 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 container.
- Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

HANDLING PRECAUTIONS

Read label before use.

This product can only be applied directly into or over water if the person applying it is a "Qualified Contractor."

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 all 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 10,000 kg of Vectobac WG require emergency response plans and signage.

PERSONAL PROTECTION

- Avoid contact with skin and eyes and inhalation of spray mist. Wash hands and exposed skin before meals and after work.

EQUIPMENT

- Apply using well maintained and accurately calibrated equipment.

DISPOSAL

- Ensure container is completely empty. Recycle empty container. 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 immediately.

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

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Batch No:

D.O.M.:

Expiry Date: 2 years after date of manufacture



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

500 g Net

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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: <i>Culex pervigilans</i> <i>Culex quinquefasciatus</i> <i>Culiseta tonnoiri</i> <i>Opifex fuscus</i> <i>Ochlerotatus antipodius</i> <i>Ochlerotatus australis</i> <i>Ochlerotatus camptorhynchus</i> <i>Ochlerotatus notoscriptus</i> <i>Stegomyia aegyptia</i> <i>Stegomyia albopicta</i>	Irrigation ditches, stagnant standing ponds	125 g-250 g	Use the low rate when populations are low and larvae are mainly 1st to 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.
	Tidal water, salt marshes, storm water retention areas	250 g-500 g	
	Polluted or highly organic water, sewage ponds, animal waste areas	500 g-1 kg	

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 2-150 L/ha.

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 after use.

Approved pursuant to the HSN0 Act 1996, Approval Code HSR000702
See www.epa.govt.nz for approval controls.

CONDITIONS OF SALE:

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability or any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.



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