

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

VectoBac® WG

BIOLOGICAL LARVICIDE

ACTIVE CONSTITUENT: *Bacillus thuringiensis* subsp. *israelensis* serotype H14
(Manufactured by Abbott Laboratories in North Chicago) active solids and solubles

GROUP 11B INSECTICIDE

For specific control of first to early fourth instar mosquito (Family Culicidae) larvae as per Directions for Use table.

GENERAL INSTRUCTIONS

Larvicidal activity, due to destruction of the midgut epithelium, occurs within 12 hours of ingestion. Because 4th instar larvae do not feed prior to pupation, application has to be made in the early stages of the life cycle. When more than 50% of the larval population is in the late 4th instar stage, the use of this product is not recommended.

INSECTICIDE RESISTANCE WARNING

GROUP 11B INSECTICIDE

For insecticide resistance management, VectoBac WG is a Group 11B insecticide.

Some naturally occurring insect biotypes resistant to VectoBac WG and other Group 11B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if VectoBac WG or other Group 11B insecticides are used repeatedly. The effectiveness of VectoBac WG on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Valent BioSciences accepts no liability for any losses that may result from the failure of VectoBac WG to control resistant insects.

VectoBac WG may be subject to specific resistant management strategies. For further information contact your local supplier, Sumitomo representative or local agricultural department agronomist.

Mixing

VectoBac WG may be applied in conventional ground or aerial application equipment with quantities of water sufficient to provide uniform coverage of the target area. The amount of water will depend on weather, spray equipment and mosquito habitat characteristics. DO NOT mix more VectoBac WG than can be used in a 72 hour period.

Fill the spray vat, mix tank etc with the desired

quantity of water. Start agitation to provide moderate circulation before adding the required quantity of VectoBac WG into the vat. For extended operations check and clean the filters of mix tank regularly.

VectoBac WG suspends readily with water and will stay suspended over normal application periods. Recirculation may be necessary if the spray mixture has sat for several hours or longer.

AVOID CONTINUOUS AGITATION OF THE SPRAY MIXTURE DURING SPRAYING.

DO NOT mix with alkaline or dirty water.

For Ground Application,

For most ground spraying apply in 2 to 150 L water per hectare using hand pump, air blast, mist blower etc spray equipment.

For Aerial Application

VectoBac WG can be applied through fixed wing or helicopter aircraft equipped with either conventional boom or nozzle systems or rotary atomisers at a convenient dilution.

Rinse and flush spray equipment thoroughly following each use.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Keep out of reach of children.

VectoBac WG must be kept in its original, properly labelled container, well sealed and stored in a cool, dry and well ventilated place.

STORE BELOW 25°C (AIR CONDITIONING).

Triple rinse containers before disposal. Add rinsings

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