

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Teknar[®] 1200 SC

BIOLOGICAL MOSQUITO LARVICIDE SUSPENSION CONCENTRATE

ACTIVE CONSTITUENT: *Bacillus thuringiensis* SUBSPECIES *israelensis* STRAIN SA3A
MINIMUM POTENCY 1200 ITU/mg

GROUP 11 INSECTICIDE

For specific control of first to early fourth instar mosquito (Family *Culicidae*) larvae

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 11 INSECTICIDE

For insecticide resistance management, Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate is a Group 11 insecticide.

Some naturally occurring insect biotypes resistant to Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate and other Group 11 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate or other Group 11 insecticides are used repeatedly. The effectiveness of Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate to control resistant insects.

Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate may be subject to specific resistant management strategies. For further information contact your local supplier, Sumitomo Chemical Australia representative or local agricultural department agronomist.

Mixing:

Stir or shake the product thoroughly before using. Half fill the spray vat with water and start agitation. Pour the required amount into the vat, continue filling with water.

Application:

For Ground Application: Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate may be applied either undiluted or diluted with water. The

volume of application must be sufficient to provide uniform coverage of the target area and will be influenced by weather, application equipment and mosquito habitat.

For diluted applications, half fill the spray vat with water and start agitation. Pour the required amount into the vat, continue filling with water. Apply in a total volume determined by calibration of the application equipment being used. (A guide for practical volumes of application range from 2.0 to 150 L/ha). For undiluted application, apply the required rate (see direction for use table) of Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate through air blast, mist blower, etc, spray equipment

For Aerial Application: Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate may be applied either undiluted or diluted with water.

For undiluted applications, apply the required rate (see direction for use table) of Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomisers.

For diluted applications, fill the mix tank with the desired quantity of water. Start the mechanical or hydraulic agitation to provide moderate circulation before adding the Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate. Teknar 1200 SC Biological Mosquito Larvicide Suspension Concentrate suspends readily in water and will stay suspended over normal application periods. Brief recirculation may be necessary if the spray mixture has sat for several hours or longer.

AVOID CONTINUOUS AGITATION OF THE SPRAY MIXTURE DURING SPRAYING.

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

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

STORAGE AND DISPOSAL:

KEEP OUT OF REACH OF CHILDREN.

Store in the closed original container in a cool (below 15°C) well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. The product is stable for 2 years as indicated above.

Triple rinse containers before disposal. Add rinsings to spray tank. **DO NOT** 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 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 and state and territory government regulations.

DO NOT burn empty containers or product.

SAFETY DIRECTIONS:

Avoid contact with eyes and skin. **DO NOT** inhale vapour or spray mist. When opening the container and preparing and using the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and disposable mist mask.

After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

FIRST AID:

If poisoning occurs contact a doctor or Poisons Information Centre (ph: 13 11 26).

SAFETY DATA SHEET:

Additional information is listed in the Safety Data Sheet (SDS) available from Sumitomo Chemical Australia Pty Limited.

IMPORTANT NOTICE

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 on 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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THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD OR RAIL	
In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY ALL HOURS - AUSTRALIA WIDE 1800 024 973

DIRECTIONS FOR USE

Restraint: DO NOT allow diluted spray to remain in the tank for more than 48 hours.

SITUATION	INSECT PEST	RATE/HA	CRITICAL COMMENTS
Stagnant and standing ponds, flood and irrigation water, ditches	<i>Ochlerotatus notoscriptus</i> , <i>Culex annulirostris</i> (common banded mosquito), <i>Culex australicus</i> , <i>Anopheles annulipes</i> (common Australian anopheline)	300 mL to 600 mL	Use for control of 1 st to early 4 th instar. Use lower rate when 1 st to 3 rd instar larvae predominate; higher rate when late 3 rd to early 4 th instar larvae predominate.
Tidal water and salt marshes, storm water retention areas	<i>Ochlerotatus vigilax</i> (saltmarsh mosquito), <i>Culex sitiens</i> (saltwater culex)	600 mL to 1.2 L	May be applied by ground or by air, undiluted or diluted with water.
Water with moderate to high organic content, sewage settling ponds, etc.	<i>Culex quinquefasciatus</i> (brown house mosquito)	1.2 L per hectare	Reapply as needed.

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

WITHHOLDING PERIOD

NOT REQUIRED WHEN USED AS DIRECTED.