

TECHNICAL USE SHEET

VectoLex[®] FG

Biological Larvicide



VectoLex[®] FG Biological Larvicide is a granule mosquito larvicide that contains the time-proven and environmentally compatible bacterial active ingredient *Bacillus sphaericus* strain ABTS-1743. The product has a potency of 50 BsITU/mg. VectoLex helps control mosquito populations in polluted waters with the industry's most target-specific biorational for residual control of West Nile virus vectors.

Industry's Most Target-Specific, Environmentally Compatible Larvicide

VectoLex FG is available in 10/14 US standard mesh size (1.4–2.0 mm) granules. The granules are designed to be applied by ground or aerial application.



VectoLex FG Provides

- The industry's most target-specific, environmentally compatible biorational for residual control of West Nile Virus vectors
- Can be used in clean and polluted habitats
- Provides up to 28 days of residual control
- Easy, on-site efficacy evaluations due to its mode of action
- The size, shape and density of the granules lessen the potential for off-target application due to aerial drift and enable good penetration of dense vegetation

- The presence of both floating and sinking granules (in combination with the "buoyancy" effect of the *Bacillus sphaericus* spore/toxin complex and spore coat protection of toxin) helps ensure the distribution of the active ingredient throughout the larval feeding zone for residual control
- Fermentation consistency significantly reduces lot-to-lot variation relative to other manufacturer products, providing greater peace of mind

Application Rates

Typical application rates are 5–20 lbs/acre (5.6–22.4 kg/ha).

Use higher rates (10–20 lbs/acre, 11.2–22.4 kg/ha) in areas where high densities and late instar larvae predominate, or under conditions where local experience indicates

the need for higher rates to achieve extended residual control.

Apply uniformly by aerial or conventional ground equipment. Reapply as needed (up to 28 days under typical environmental conditions).

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Bulk Density

Bulk density should be measured with multiple lots to insure accurate data. (This varies somewhat with relative humidity and each batch.) However, the following can be used as a general guideline:

Approximately 30–37 lbs/ft³ or 481–593 kg/m³

Coverage

The following table can be used as a general guide in determining rates of VectoLex FG applications:

RATE IN POUNDS/ACRE (kilograms/hectare)	VECTOLEX FG	
	Ft ²	M ²
5.0 (5.6)	21–22	196–208
7.5 (8.4)	31–33	295–312
10.0 (11.2)	41–44	393–416
15.0 (16.8)	60–67	572–641
20.0 (22.4)	80–89	762–854

300–370 granules ~ 1 gram

Note: Granules per gram and number of granules per ft²/m² are approximations.

Packaging

VectoLex FG is available in standard pack size of 40 lb (18 kg) bags.

