

TECHNICAL USE SHEET

Bactimos® WG

Biological Larvicide

Bactimos® WG is a biological larvicide formulated as a water-dispersible granule (WG). It contains the active ingredient *Bacillus thuringiensis* subsp. *israelensis* (strain AM65-52), a naturally occurring bacterium used for the control of non-biting midge larvae. These larvae can be a significant nuisance in aquatic environments, and Bactimos WG offers a targeted, environmentally friendly solution.



Application Strategy

When direct application to the entire habitat is not possible, conduct larval surveillance to identify and target areas with dense larval populations. Apply the larvicide using properly calibrated equipment to ensure even distribution. The product may be applied either above or below the water surface, but it is essential that the entire

surface area of the water body be treated to maximize effectiveness.

Bactimos WG is ideal for use in a variety of aquatic habitats, including: lakes, reservoirs, ponds, lagoons, and sewage oxidation ponds and channels.

Application Rates

The product should be applied at rates ranging from 3.5 to 7.1 pounds per acre. Higher application rates may be necessary in environments with high organic content, as these conditions can reduce the effectiveness of the treatment.

Mixing Instructions

Bactimos WG should be thoroughly mixed with water before application. The quantity of the mixture should be sufficient to ensure even and complete coverage of the water surface.

Gradually add the desired quantity of Bactimos WG to half the final intended volume of water in a mix tank while under agitation, then add additional water to produce the final spray volume.

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Midge Susceptibility and Testing

Only a small percentage of the numerous species of non-biting midges (commonly referred to as “pestiferous species”) have been evaluated for their susceptibility to Bactimos WG. In general:

- ▢ Members of the subfamilies *Chironomini* and *Tanytarsini* are typically susceptible.
- ▢ Members of the subfamily *Tanypodinae* are not susceptible at the labeled-use rates.

As a precaution, when initiating use of Bactimos WG in a new non-biting midge control program—especially where the species present are not yet identified—it is advisable to begin by treating a small test area.