

# Valent BioSciences Larvicides

Biorational solutions for public health professionals available exclusively through ADAPCO



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

Biorational larvicide granular formulation that contains floating and sinking granules to ensure distribution of active ingredient throughout larval feeding zone. Provides broad control for all mosquito species allowing for application flexibility in numerous vegetated habitats.

200 ITU per milligram against *Ae. aegypti*

40 lb bag &  
1000-1400 lb super-sack



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

Smaller granule formulation for maximum coverage at low rates. Increased bulk density and smaller size, relative to VectoBac® G, decreases potential for off-target application. Primarily used for vegetated habitats and offers good penetration of dense vegetation.

200 ITU per milligram against *Ae. aegypti*

40 lb bag &  
1000-1400 lb super-sack



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

Higher density granule, relative to VectoBac® GS, designed specifically for use in habitats covered in heavy vegetation. VectoBac® GR was the first granule bacterial larvicide to complete the World Health Organization Pesticide Evaluation Scheme. Used primarily in numerous vegetated habitats and offers good penetration of heavy vegetation and over areas that require organic listed products.

200 ITU per milligram against *Ae. aegypti*

40 lb bag &  
1000-1400 lb super-sack



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

This dry, water dispersible granule formulation can be mixed with water, is OMRI certified and offers a variety of direct and wide area-application control methods used to target disease vectors in numerous, small and cryptic container habitats. Can also be used for treating over organic crops and other sensitive habitats.

3000 ITU per milligram against *Ae. aegypti*

1 lb canister &  
25 lb drum



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

An aqueous suspension concentrate formulation for control of mosquitoes, black flies, and closely related fly larvae. Ready-to-use formulation allows for a wide variety of application methods including direct application into rivers and streams with black fly larvae present and open habitats with little to no vegetation to control mosquito larvae.

1200 ITU per milligram against *Ae. aegypti*

2.5 gal jug,  
30 gal drum &  
264 gal tote



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52

A direct tablet formulation for control of container-breeding mosquito larvae. Primarily for use in residential areas with natural and artificial containers to control *Ae. aegypti* and *Ae. albopictus* larvae. Treatment typically occurs at monthly intervals.

2200 ITU per milligram against *Ae. aegypti*

50 tablet/bottle  
400 bottle/case



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52  
+ (S)-methoprene

A single-brood granular formulation that combines two active ingredients to deliver effective control of all larval stages for complete single-brood floodwater mosquito control for multiple species at low rates. VectoPrime® incorporates BioFuse™ technology for consistent application and results. Can also be used as a pre-hatch application in habitats with controlled flooding cycles such as pastures, irrigated fields and duck clubs.

400 ITU per milligram against *Ae. aegypti* + 0.1% (S)-methoprene

40 lb bag &  
1000-1200 lb super-sack





*Bacillus sphaericus* 2362 Strain ABTS-1743

A granular formulation used for residual, target-specific control of West Nile virus (WNV) vectors (*Culex* spp.). VectoLex® FG works best in vegetated habitats and in waters high in organic matter such as stagnant ponds for up to 28-days.

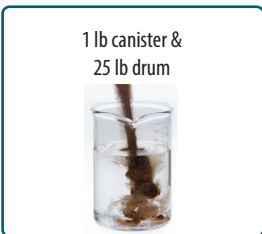
50 Bs/ITU per milligram against *Cx. quinquefasciatus*



*Bacillus sphaericus* 2362 Strain ABTS-1743

A water-dispersible granule formulation used for residual control of mosquito populations in polluted waters. Product can be used as an aerosol to control *Culex* spp. in "cryptic" underground habitats. VectoLex® WDG offers the storage stability of a dry product with the application versatility of a liquid. Widely used in open habitats with little to no vegetation.

50 Bs/ITU per milligram against *Cx. quinquefasciatus*



*Bacillus sphaericus* 2362 Strain ABTS-1743

This water-soluble pouch is ideal for treatment of "closed" habitats such as storm drains and catch basins. The pouch can be placed directly into larval habitats for effective residual control of WNV vectors.

50 Bs/ITU per milligram against *Cx. quinquefasciatus*



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52 & *Bacillus sphaericus* 2362 Strain ABTS-1743

VectoMax® FG is a BioFuse™ based, combination active ingredient granule that delivers dual-modes of action in a carefully selected ratio in each microparticle. Extensive application flexibility: controls all mosquito species, can be used in clean and polluted water, and up to 28-day residual control. Used for treatment in a wide variety of habitats such as: wastewater, stagnant ponds, pastures, marine/coastal areas, waste tires, and a number of crop field habitats.

50 Bs/ITU per milligram against *Cx. quinquefasciatus*



*Bacillus thuringiensis* subsp. *israelensis* Strain AM65-52 & *Bacillus sphaericus* 2362 Strain ABTS-1743

This extended residual, BioFuse™ based, water-soluble pouch ensures larvae get a carefully selected ratio of both toxins when ingested. WSP's are malleable for fitting into tight places and do not get hung up in debris. This formulation is ideal for treating catch basins (catch basin residual: 42-56 days under typical environmental conditions) and other small breeding sites. The pouch is intended for direct placement into larval habitats.

50 Bs/ITU per milligram against *Cx. quinquefasciatus*



(S)-methoprene with Triple Release Technology™

A juvenile hormone analog insecticide for control of mosquito larvae in floodwater areas. MetaLarv® S-PT's Triple Release Technology™ and unique spherical pellet design allows for pre-hatch applications, superior residual control and advanced aerial ballistics for greater application flexibility for floodwater mosquito control programs.

4.25% (S)-Methoprene



(also available as water dispersible granule formulation)

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A high-potency *Bti* pellet formulation designed to sink immediately upon application to assure accurate application to sites where larval populations develop. Designed specifically to target non-biting midges (Chironomidae) in habitats such as man-made lakes, natural lakes, ponds, lagoons, sewage oxidation ponds, channels and ditches used for industrial discharge.

800 ITU per milligram against *Aedes aegypti*

