

TECHNICAL USE SHEET

VectoLex® WSP

Biological Larvicide



VectoLex® WSP Biological Larvicide is a water-soluble pouch mosquito larvicide that contains the time-proven and environmentally compatible bacterial active ingredient *Bacillus sphaericus* strain ABTS-1743. VectoLex WSP contains 10 grams of VectoLex FG granules. The product has a potency of 50 BsITU/mg. VectoLex WSP helps control mosquito populations in catch basins with the industry's most target-specific biorational for residual control of West Nile virus vectors.

Developed “By Request”

The water-soluble pouch concept was developed at the request of mosquito control professionals. With the spread of West Nile virus in the United States beginning in 1999, Valent BioSciences was asked by mosquito abatement programs to develop a formulation that could be easily applied to catch basins for control of mosquito larvae. For this purpose, Valent BioSciences introduced VectoLex WSP in 2001. Since then, the popularity of this product has launched additional WSP formulations from other companies for both professional and consumer use.

Application Flexibility

VectoLex WSP is ideal for treatment of catch basins and other breeding sites where placement applications provide value:

- 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 in catch basins
- Easy, on-site efficacy evaluations due to its mode of action
- VectoLex WSP is malleable and slips into tight spots (e.g., catch basin grates) and does not get hung up in debris or buried in sludge at the bottom of catch basins like briquettes and tablets
- Once placed in water, VectoLex WSP quickly dissolves (in ~ 1 minute depending on water temperature), releasing the VectoLex granules. The carrier disperses on the water surface and in the water column, distributing toxins into the larval feeding zone
- 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



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Application rates are 1 pouch/50 square feet.

Treat on basis of surface area of potential mosquito breeding sites by placing one (1) VectoLex Water Soluble Pouch for up to 50 square feet (4.6 square meters) of treatment area. Reapply as needed (up to 28 days under typical environmental conditions). Longer periods of mosquito population suppression may result where sufficient numbers of non-target aquatic invertebrate parasites and predators are present since these are not affected by the product and contribute to mosquito population reduction.



Packaging

VectoLex WSP is packaged into foil pouches. Each foil pouch holds 40 individual water-soluble pouches. Smallest available pack size is 20 x foil pouches packaged into a cardboard box (800 water-soluble pouches). Check with your local distributor or Valent BioSciences technical representative to see what packaging is available in your area.

