

Vectobac® & Vectolex®

The Natural Choice for Your
Mosquito Problems



Vectobac® & Vectolex®

Naturally Occuring Bacteria

Active Ingredients

VectoBac

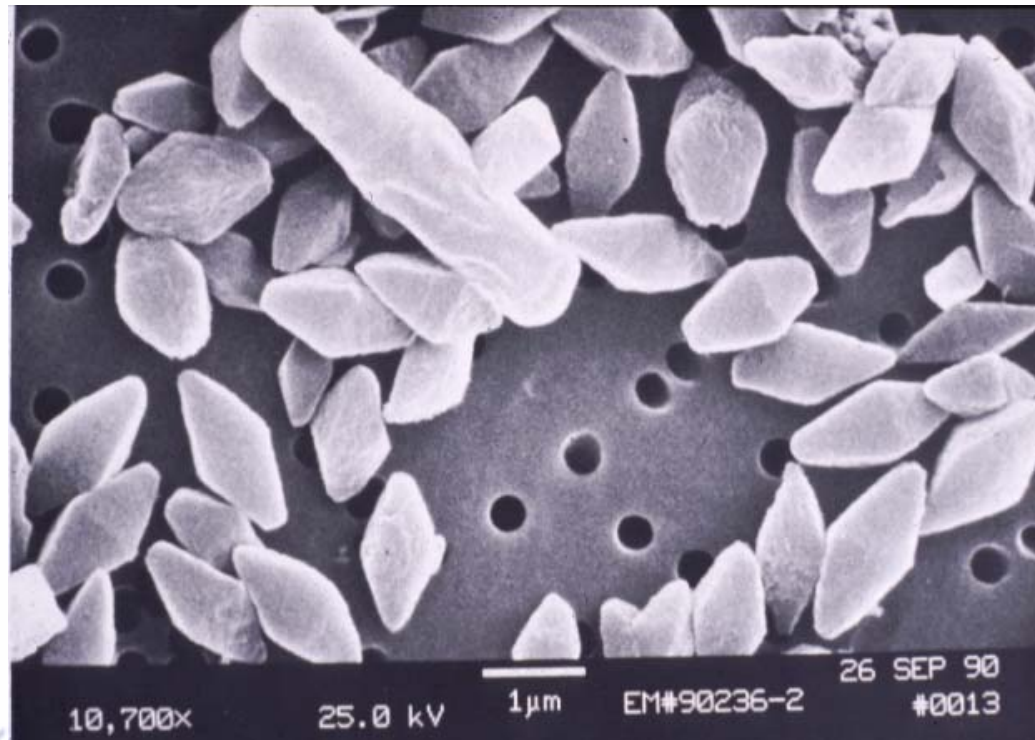
- *Bacillus thuringiensis israelensis*

VectoLex

- *Bacillus sphaericus*



Bti & *B. sphaericus* - The Active Ingredients



Vectobac® & Vectolex®

Mode of Action

Bacteria produce a crystal and spore

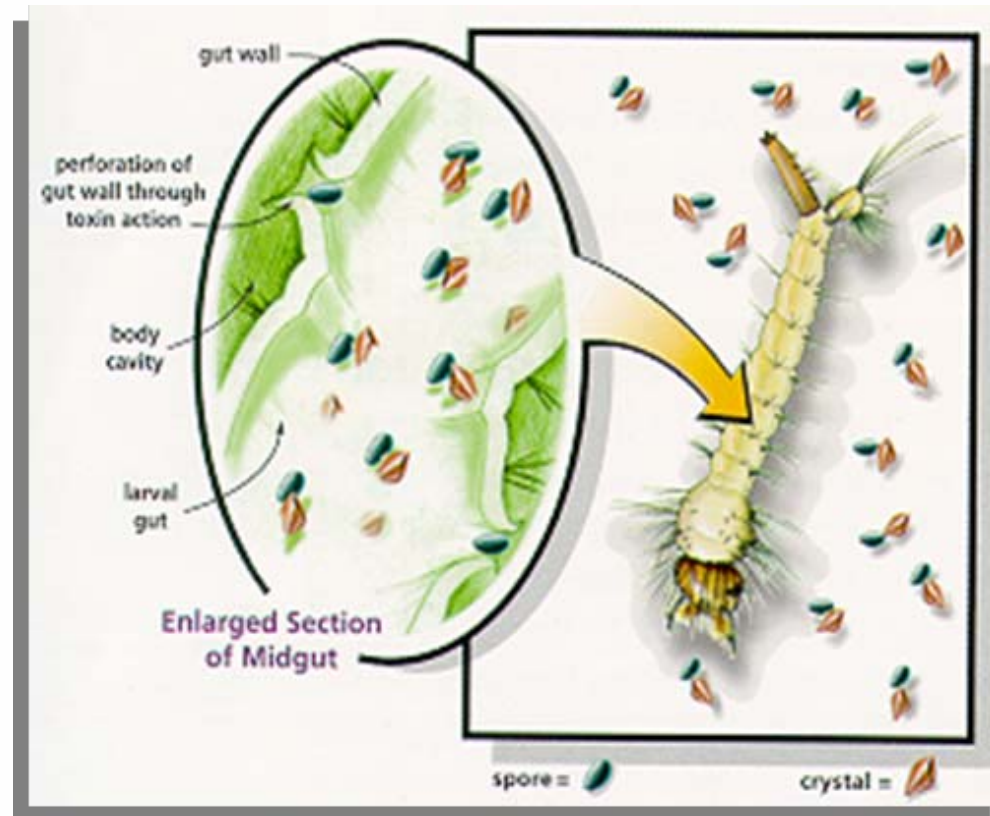
Larvae ingest spores and crystal

- Ph of the gut digest and breakdown the crystal into protoxins
- Toxins attach to gut lining
- Breakdown lining and increase pore size

Larvae die in 24 to 48 hours



VectoBac® & VectoLex® Mode of Action



Vectobac® & Vectolex®

Mode of Action

Vectobac

- death within 24 hours
- no residual

Vectolex

- death within 48 hours
- residual (recycling)
 - spores germinate and reproduce in the cadavers of the larvae



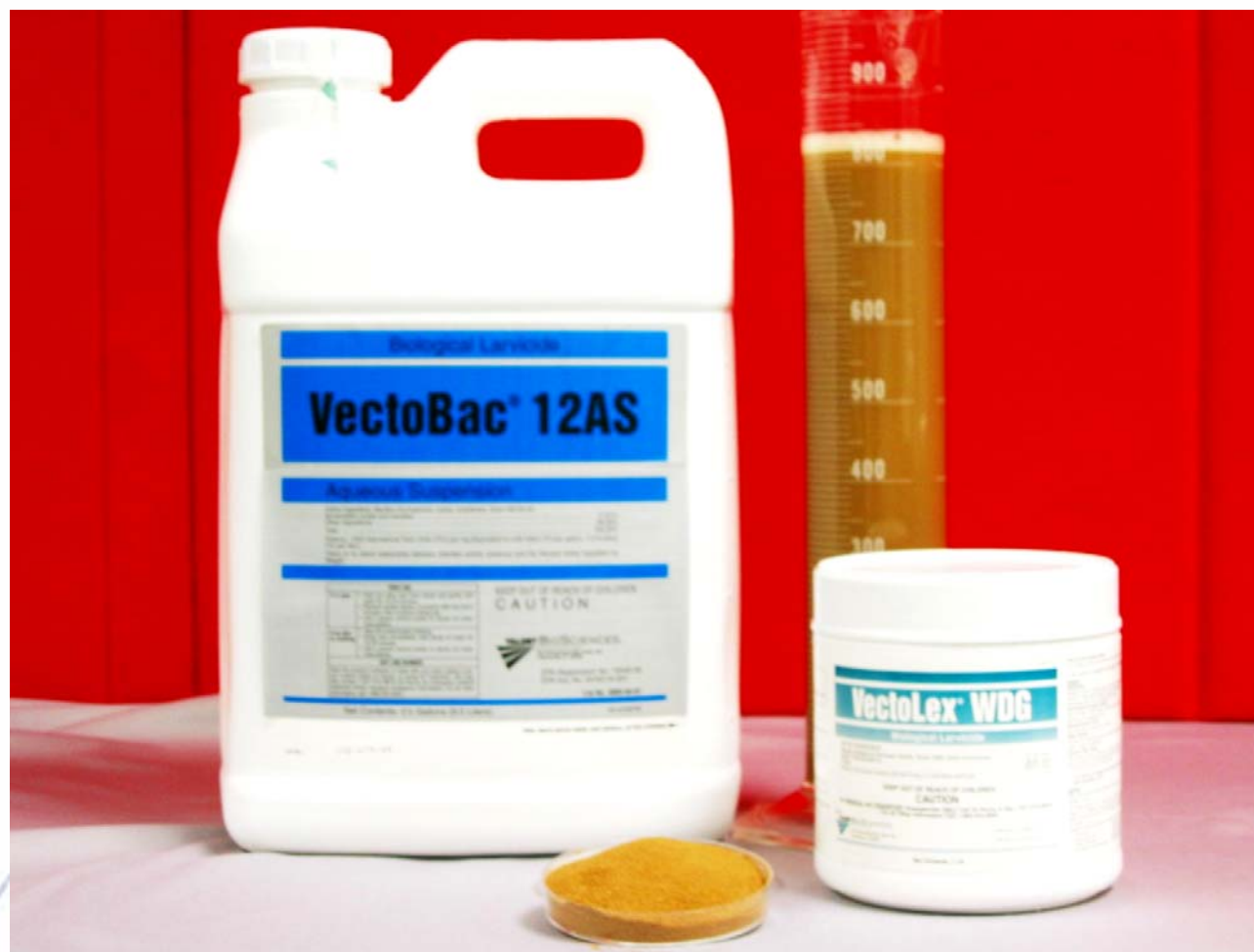
VectoBac® Formulations



VectoLex[®] Formulations



VectoBac® & VectoLex® Liquid Formulations



VectoBac® 12AS Liquid Application



VectoBac® & VectoLex® Dry Formulations



VectoLex[®] CG Dry Application



VectoLex[®] WSP

- Water Soluble Pouch
- 10 gm VectoLex CG
- Treats up to 50 sq ft
- Ideal for catch basins and other small breeding sites
- Apply by placement



VectoLex[®] WSP



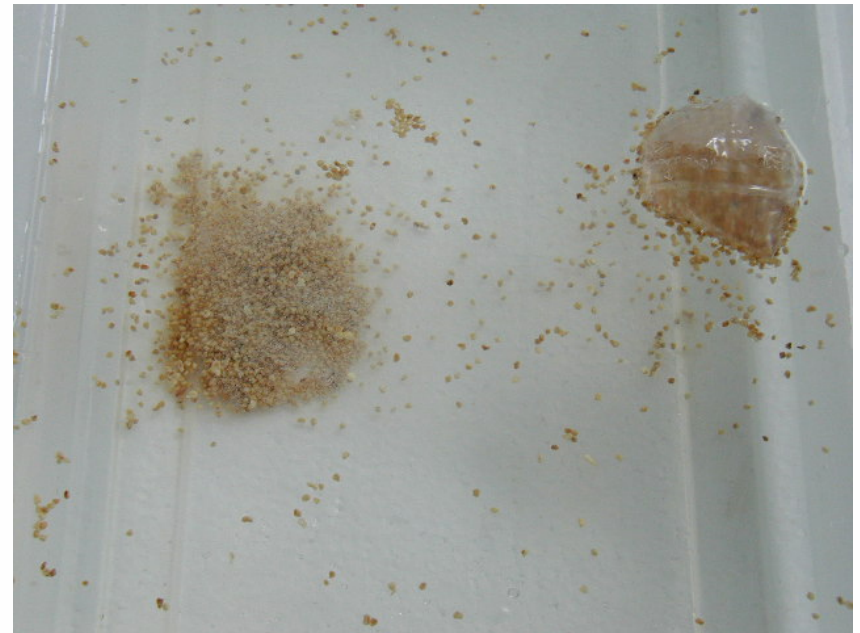
VectoLex[®] WSP

- Pouch placed in water



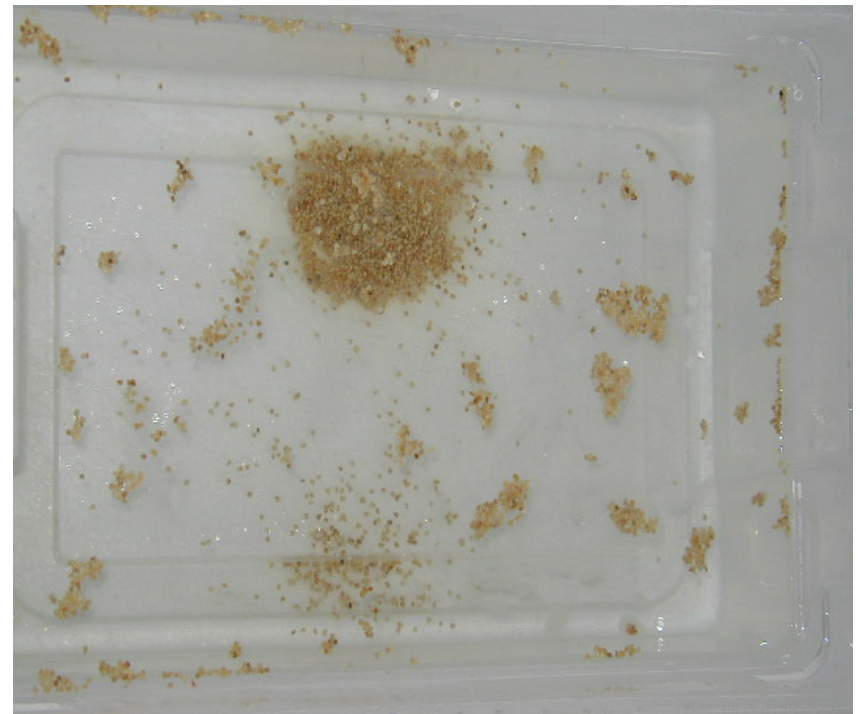
VectoLex[®] WSP

- Less than 2 minutes
- Pouch dissolves and releases BspH



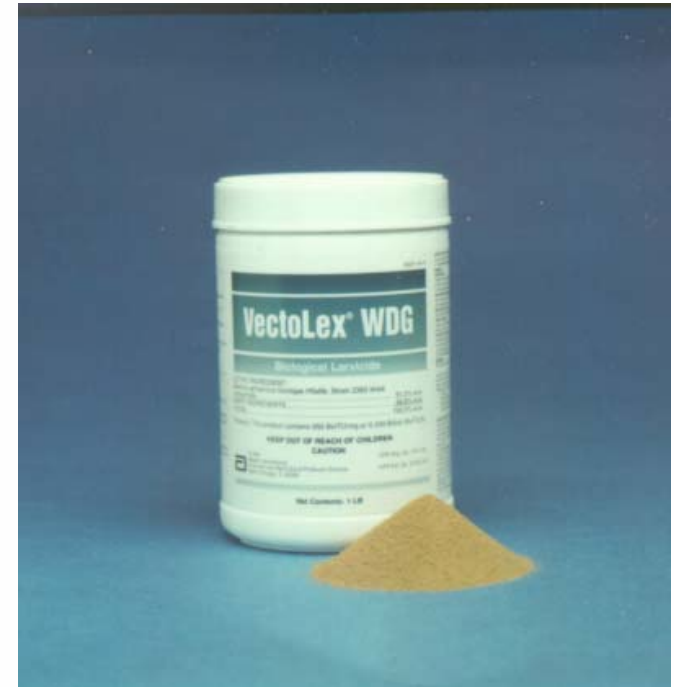
VectoLex[®] WSP

- Less than 5 minutes
- Pouch completely dissolved
- Many granules floating
- Bsph distributed throughout water.



VectoLex® WDG

- Water dispersible granule formulation
- Instant aqueous *B. sphaericus* (Just add WDG into water)
- Highly stable in storage
- Application rates from 0.5 to 1.5 lbs/acre



VectoLex[®] WDG

The stability of a granule with the application flexibility of a liquid.





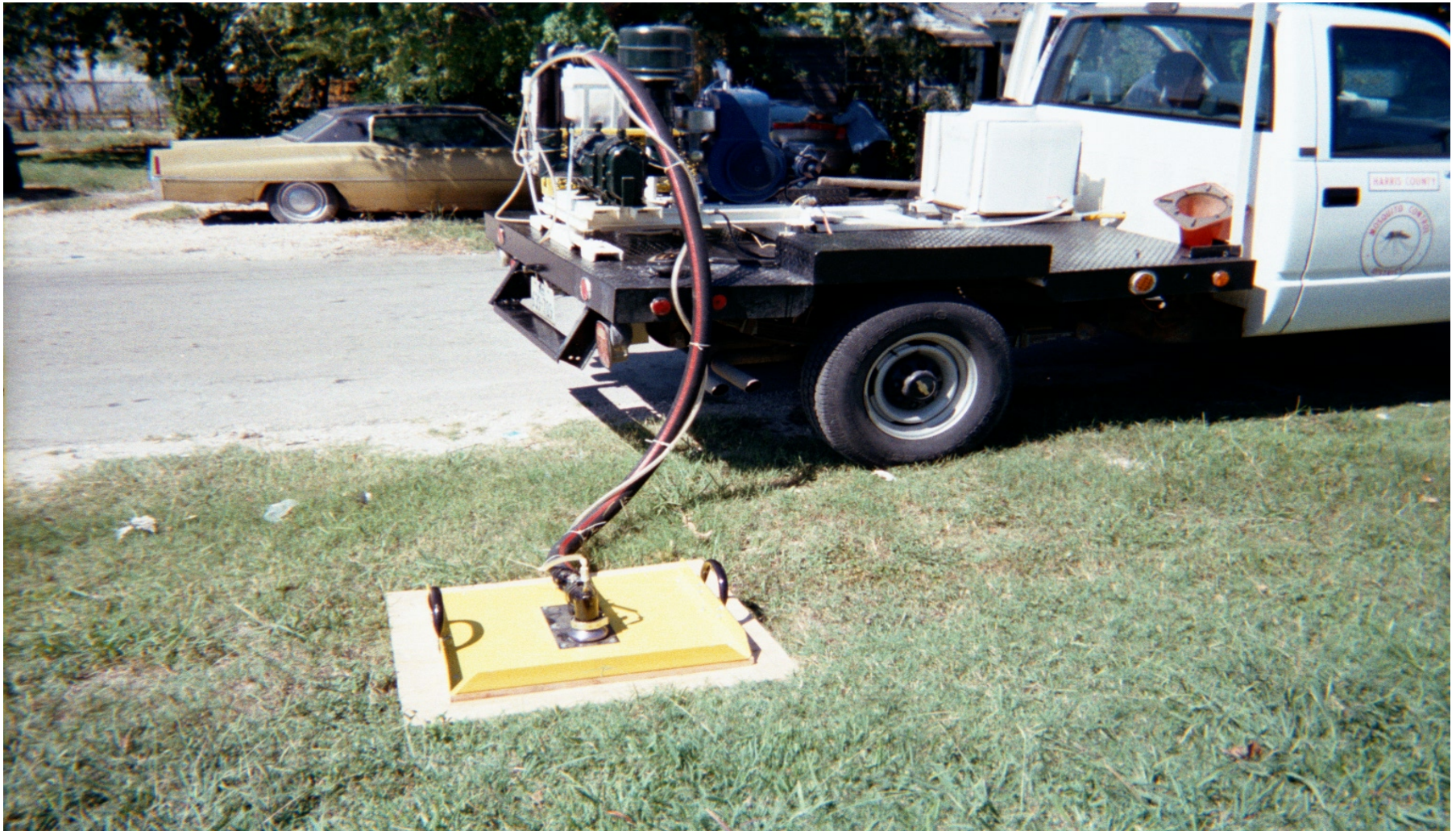


Underground Mosquito Breeding

- **Primarily urban problem**
- **Source of SLE and WNV vectors**
- **Unique Challenges**



Application Equipment



Placement of Larval Pans



Treatment in Progress



ULV Nozzle



Greater LA Device In Use



Greater LA Device Spray Pattern



New York City Application Equipment

- Rented Compressor
- Spray gun (GLA device)
- Plastic Carboy



NYC Application





Committed to bringing you new technologies for improved mosquito control applications



Vectobac® & Vectolex®

The Natural Choice

