

# Midge Fly Complete

Eliminates Red Worms and Midge Flies In Wastewater



## Lar-V-Zyme

Lar-V-Zyme helps degrade the cocoons red worms like to build around themselves, exposing more red worms to the AQUABACxt treatment. You can often find these cocoons on the walls of clarifier rings, or the sides of basins. This simple trick can increase the effectiveness of AQUABACxt dramatically.

We recommend using Lar-V-Zyme for the for the first 20 to 40 days of any treatment. After this initial treatment an annual or biannual 20 day treatment is helpful for restoring the benefits.



## AQUABACxt

AQUABACxt is a highly effective, US EPA-registered biological larvicide. It contains a species of bacteria called bacillus thuringiensis (BT), an approved larvicide for controlling red worms and midge flies in wastewater treatment plants.

Red worms find wastewater plants to be a perfect home. They survive by eating your MLSS, then hatch into midge flies, and the cycle repeats. The active ingredient in AQUABACxt kills the red worms and breaks the cycle.

Common symptoms of red worm infestations include: disappearing MLSS (the red worms are eating it), stringy or clumpy return activated sludge, and nuisance flies that attract pests. AQUABACxt is safe to use and will only kill a very narrow set of target species; larvae of the mosquito, midge flies, and black flies. It will not cause effluent toxicity issues.



Red worm cocoons can build up in mixed liquor and on basin walls by the thousands. Use Lar-V-Zyme to degrade these cocoons to help AQUABACxt get direct access to the larvae, stopping the midge fly cycle at the beginning.



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# Dose Rates

## Lar-V-Zyme and AQUABACxt



### Wastewater Plant Dosing

Flow Rate Gallons per day	Initial Dose Twice a week for 4 weeks	Maintenance Dose Once per week
100,000 GPD	0.5 gal AQUABACxt + 0.5 gal Lar-V-Zyme	1 pt AQUABACxt + 1 pt Lar-V-Zyme
500,000 GPD	2.5 gal AQUABACxt + 2.5 gal Lar-V-Zyme	5 pt AQUABACxt + 5 pt Lar-V-Zyme
1,000,000 GPD	5 gal AQUABACxt + 5 gal Lar-V-Zyme	10 pt AQUABACxt + 10 pt Lar-V-Zyme

### Wastewater Lagoon Dosing

Lagoon Size	Initial Dose Once a week for 4 weeks	Maintenance Dose Once a week for 2 months
1 Acres	2.5 gal AQUABACxt + 2.5 gal Lar-V-Zyme	1 gal AQUABACxt + 1 gal Lar-V-Zyme
4 Acres	10 gal AQUABACxt + 10 gal Lar-V-Zyme	4 gal AQUABACxt + 4 gal Lar-V-Zyme
8 Acres	20 gal AQUABACxt + 20 gal Lar-V-Zyme	8 gal AQUABACxt + 8 gal Lar-V-Zyme

### AQUABACxt and Lar-V-Zyme:

- Add wherever you see activity, evenly distribute as needed
- For best results, begin dosing in early spring and late fall

### Available Sizes:

- 5 Gallon Each (2 Cases Total)
- 135 Gal Each (2 Pallets Total)
- 250 Gal Each (2 Totes Total)

### Notes:

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