

# Qwik-Zyme L

Biocatalysts Speeding Degradation of Grease



Qwik-Zyme L incorporates three types of fat-degrading biocatalysts to provide dramatic hydrolysis of fat, oil, and grease (FOG). These catalysts speed the breakdown of complex fat molecules into simple short chain fatty acids, which can help lower phosphorus.

Fats are often a key contributor to the presence of foaming filaments like *Microthrix parvicella* and *Nocardia* in wastewater plants. Pair with Foam Buster to alter the bacterial population to select against foaming filaments. When possible, increase wasting to lower sludge age during filament control treatment.



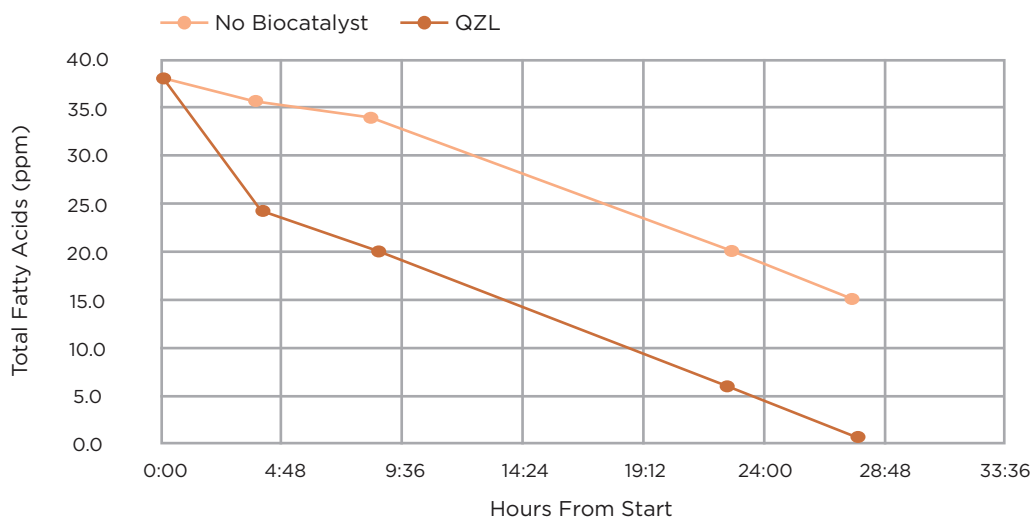
Helps Lower  
**Phosphorus**

Ideal pH:  
**6-9**

Helps to Get Rid of Filaments Like  
**Microthrix & Nocardia**

Figure 1:

Total fatty acid concentration in restaurant grease



\*Ask your Technical Rep for a copy of the full independent study conducted by researchers at University of Wisconsin Stevens Point.

Effects of Qwik-Zyme L catalysts on food waste (FOG) shown to the left.



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# Dose Rates

Qwik-Zyme L



## **Microthrix parvicella Foam & WWTP Grease** (For *Nocardia* Foam, dose 2-4 times more, paired with Foam Buster)

| Flow Rate<br>Gallons per day | Initial Dose<br>Daily for one month | Maintenance Dose<br>Daily |
|------------------------------|-------------------------------------|---------------------------|
| 10,000 GPD                   | 4 oz                                | 2 oz                      |
| 100,000 GPD                  | 1 qt                                | 1 pt                      |
| 500,000 GPD                  | 5 qt                                | 2.5 qt                    |
| 1 MGD                        | 2.5 gal                             | 5 qt                      |

## **Lift Stations & Sewer Lines**

| Flow Rate<br>Gallons per day | Initial Dose<br>Three times per week | Maintenance Dose<br>Weekly |
|------------------------------|--------------------------------------|----------------------------|
| 0 - 250,000 GPD              | 1 qt                                 | 1 qt                       |
| 250,000 - 500,000 GPD        | 2 qt                                 | 2 qt                       |
| 500,000 - 750,000 GPD        | 3 qt                                 | 3 qt                       |
| 750,000 GPD - 1 MGD          | 4 qt                                 | 4 qt                       |
| 1 MGD +                      | 5 qt                                 | 5 qt                       |

## **Sand Filter Backwash Application**

| Backwash Rate | Dose   |
|---------------|--------|
| 5,000 gal     | 0.5 qt |
| 10,000 gal    | 1 qt   |
| 20,000 gal    | 2 qt   |
| 30,000 gal    | 3 qt   |
| 40,000 gal    | 4 qt   |
| 50,000 gal    | 5 qt   |

### **Qwik-Zyme L Dosing:**

- Add daily to WWTP headworks, or directly to aeration basin
- Can be metered in

### **Available Sizes:**

- 5 gal case
- 55 gal drum
- 275 gal tote

### **Notes:**

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