

**Enviro-Tech**



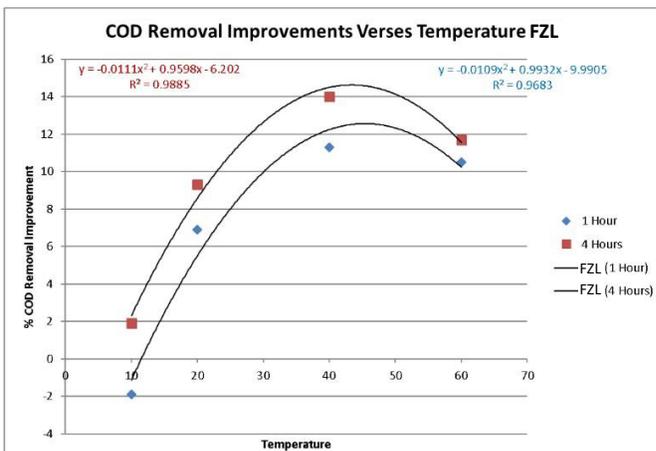
**of America, Inc**

Veteran Owned

# FOG-ZYME "L"

FOG-Zyme L is the Cadillac of wastewater plant grease treatments. It is like high tech saliva that quickly digests complex fat, oil, and grease molecules with biocatalysts.

FOG-Zyme L is an excellent product for sequencing batch reactors (SBR), anaerobic digesters, activated sludge plants, equalization tanks, and food processing plants.



This is not a bacterial product but rather high tech saliva. This means that FOG-Zyme L incorporates three types of lipid degrading biocatalysts to provide dramatic hydrolysis of fat, oil, grease (FOG) and resulting fatty acids. FOG-Zyme L can degrade a range of fatty acids such as oleic, steric, palmitic as well as fish oils, triglycerides, milk, eggs and animal fats.

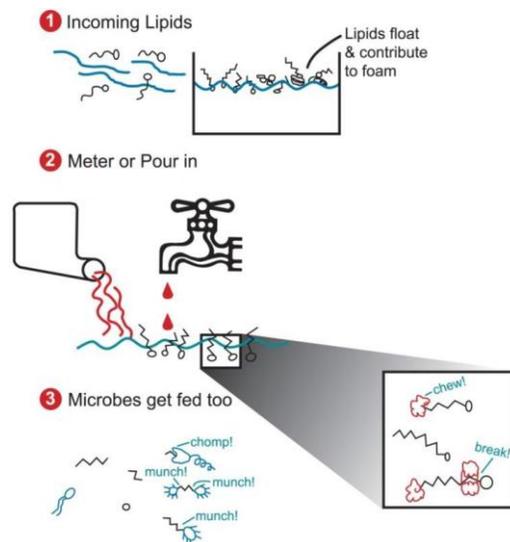
Ideal pH Range: 7-11

Ideal Temperature Range: 20-60C.

## Why is it so important to control fatty acids?

In the winter months, when water temperatures are colder, the naturally occurring bacteria cannot completely break down FOG and the fatty acids that build up in the wastewater plant. These fatty acids are then taken up by filaments like *Microthrix Parvicella* and *Nocardia* which allows them to float and foam. FOG-Zyme L breaks up these fatty acids and cuts off the filament's food source. It's fascinating science for wastewater operators.

For especially tough issues, use the synergistic combination of FOG-Zyme L and FOG B Gon. FOG B Gon augments the bacteria populations so the foam will not return while FOG-Zyme L helps to get the grease under control.



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# DOSE RATES

This product is either metered or poured into the front end of the wastewater process, directly on grease in lift stations, or directly in filter backwash.

Do not spray this product into the air.

<b>FOG-Zyme L for Foam <i>Microthrix Parvicella</i> or under 12" AND WWTP Grease</b>		
<b>Flow Rate</b>	<b>Initial Dose per day for 30 days</b>	<b>Maintenance Dose per day for days 30</b>
10,000 GPD	4 ounces	2 ounces
50,000 GPD	1 pint	0.5 pint
100,000 GPD	1 quart	1 pint
200,000 GPD	2 quart	1 quart
300,000 GPD	3 quart	1.5 quart
400,000 GPD	4 quart	2 quart
500,000 GPD	5 quart	2.5 quart
1,000,000 GPD	2.5 gal	5 quart
Use for <b>60 days</b> or when temp is below 60°F. If above 60°F (15.6°C) after 30 days can cut dose in half.		
<b>For <i>Nocardia</i> – go up 4x this amount, if financially feasible</b>		
<b>60 Days Total</b>		

<b>FOG-Zyme L in Lift Stations and Sewer Lines</b>		
<b>Flow Rate</b>	<b>Initial Dose – 3 times a week</b>	<b>Maintenance Dose – Once per week</b>
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 – 1,000,000 GPD	4 qt	4 qt
1,000,000 GPD +	5 qt	5 qt

<b>Sand filter backwash application</b>	
<b>Backwash Rate</b>	<b>Sand Filter Dose</b>
5,000 gal	0.5qt
10,000 gal	1qt
20,000 gal	2qt
30,000 gal	3qt
40,000 gal	4qt
50,000 gal	5qt

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