



# Fats, Oil and Grease Treatment Options


The challenges associated with fats, oil, and grease (FOG) are often a constant worry and require regular maintenance. There are very few methods available within the marketplace to deal with these challenges. Greener Planet Systems bioaugmentation treatment programs offer the most robust option to remove FOG and prevent it from returning.



**TABLE SYNOPSIS:** Conventional methods to control FOG fail to digest or prevent it from occurring in the first place and can push the issues further downstream. Some chemical methods are even hazardous and come with a high cost. While bioaugmentation also has a high cost per kilogram, it's justified by having the lowest effective dose with the widest range of effect.

## Common Fats, Oil & Grease Control Methods

✓ = Yes X = No

METHOD	MODE OF ACTION	FOG DIGESTION	PREVENTS BUILD-UP	RESOLVES ISSUE WITHOUT PUSHING IT DOWNSTREAM	NON-HAZARDOUS	COST per KG.	COST per EVENT	ANNUAL COST
 <b>BioPro Series</b>	Biological removal by digesting FOG as a food source	✓	✓	✓	✓	\$\$\$	\$	\$
<b>Vacuum Pumping / Hydro Jetting</b>	Physical removal of FOG from the system	X	X	✓	✓	n/a*	\$\$\$\$	\$\$
<b>Enzymes, Degreaser and Micronutrients</b>	Prevents FOG from solidifying	X	X	X	X	\$\$\$	\$\$\$	\$\$

\*This solution does not have a cost/kg because it is a service and not a physical product.

**SUMMARY:** Our bioaugmentation products contain scientifically selected strains. Within these strains, it is the genes that give them the ability needed to produce the enzymes responsible for breaking up FOG. As they do this, they turn FOG into a readily available food source for the naturally occurring microbial community. This process results in FOG reduction and future problems are avoided. In addition to FOG digestion, bioaugmentation has the added benefits of sludge digestion and odor prevention, making it a more complete solution for facilities.