



GREASE-X[®] WWTP

Designed for Municipal and Food Processing
Wastewater Treatment Plants



ADVANCED BIOLOGICAL POWDER FORMULATIONS

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Grease-X® WWTP

A highly concentrated, specialized blend of application-specific bacterial cultures selected to degrade municipal, food processing and high fats, oils and grease waste

Overview

GREASE-X® WWTP offers an extremely effective solution for the constant challenge of suspended solids, BOD's, COD's, sludge, malodors, organic build-up and high levels of fats, oils and greases in wastewater treatment applications.

The highly concentrated, optimized blend of application-specific bacteria in **GREASE-X® WWTP** has been selected for its ability to degrade common municipal and food processing waste and, in particular, high levels of FOG.

Advantages of GREASE-X® WWTP

optimized proprietary bacterial consortium degrades a broader spectrum of substrates

wide range of carriers available, including eco-benign™ options

enhances BOD/COD/TSS removal

reduces hydrogen sulfide

reduces sludge build-up

Applications

- municipal wastewater treatment
- food and beverage industries
- restaurant grease traps
- institutional kitchens

increases system efficiency

eliminates malodors at source

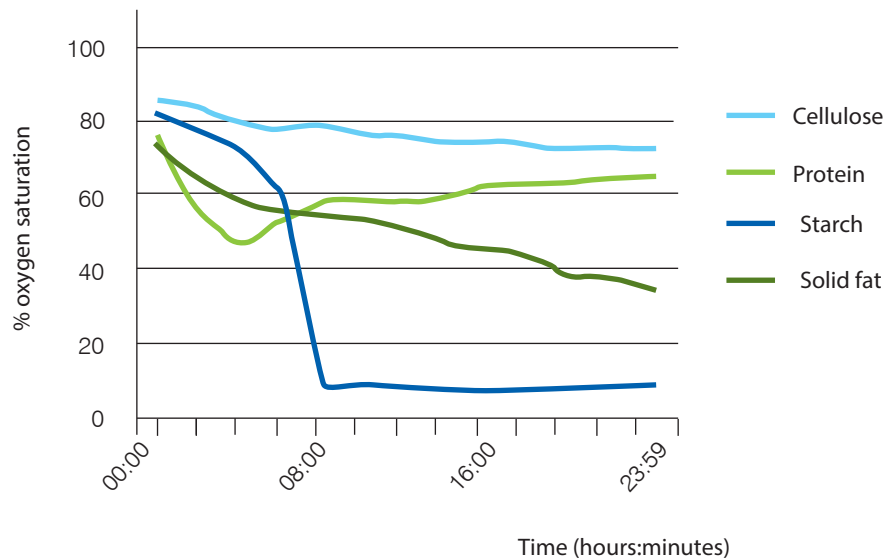
Highly effective at degradation of FOG build-up

manufactured under strict quality control standards to ensure high quality and purity



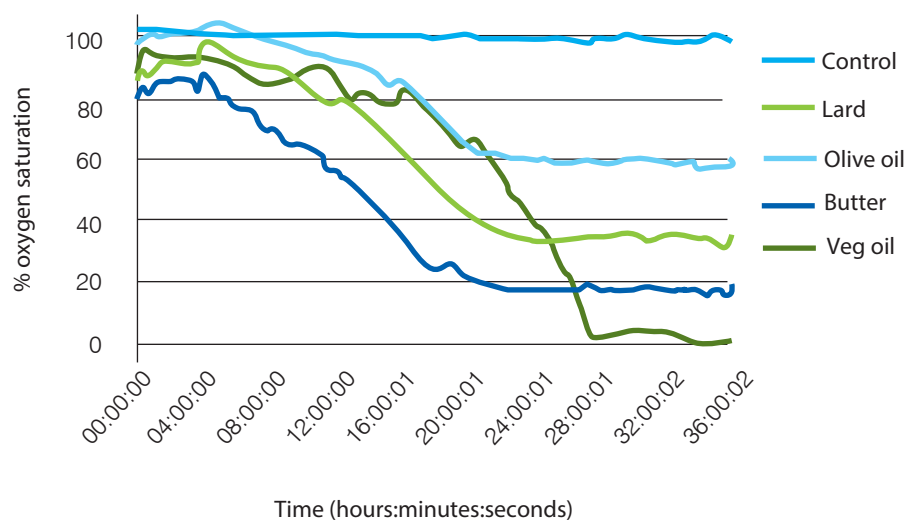
Product Testing

All around biodegradation ability of Grease-X® WWTP



The above graph shows the all around degradation ability of GREASE-X® WWTP on different substrates.

FOG degradation by GREASE-X® WWTP

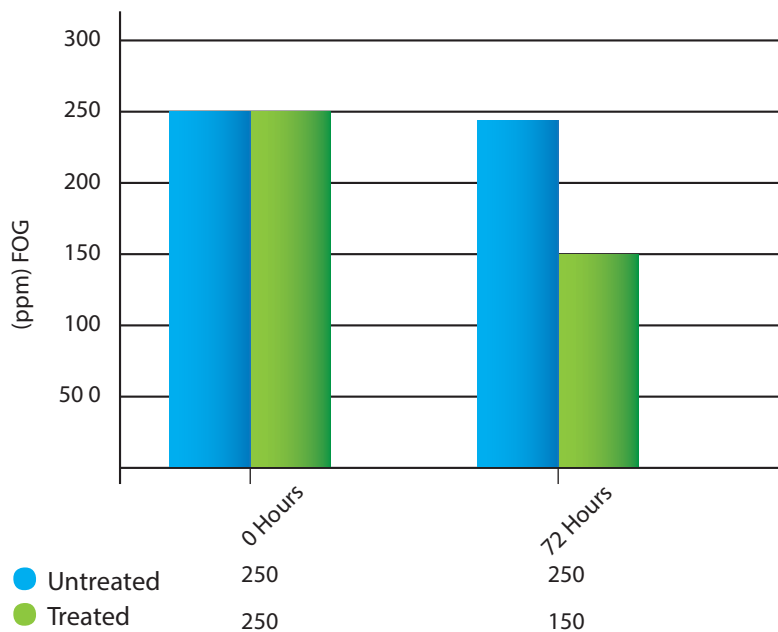


The above graph shows the degradation of different fats, oils and greases by GREASE-X® WWTP. As the substrates are degraded the % oxygen saturation decreases.



Product Testing

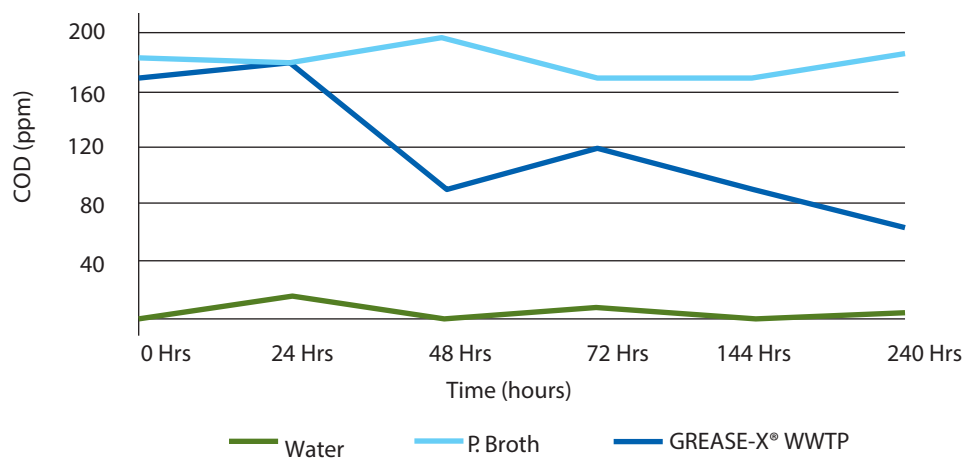
Degradation of canola oil with *Pseudomonas putida*



ppm FOG measured using InfraCal® TOG/TPH Analyzer (Model HATR-T2), by Wilks Enterprise, Inc.

This represents a 40% DEGRADATION OF FOG IN 72 HOURS

GREASE-X® WWTP in protein broth



This represents an AVERAGE OF 65% REDUCTION IN THE COD IN 240 HOURS



GREASE-X® WWTP

Technical Specifications for GREASE-X® WWTP

targeted compounds	proteins, starches, fats, oils and greases, cellulosic material, carbohydrates and malodors	
bacterial count	5.00e+09 cfu/g bacillus spores + non-pathogenic pseudomonas	
bacterial type	bacillus spore blend + non-pathogenic pseudomonas	
formula properties	tan, free flowing powder with earthy odor wheat bran/sodium sulfate carrier	
performance properties	effective pH range: 4.0-11.0	temperature range: 45-120°F (5-50°C)
packaging	50 lb. containers 55 gal. Drums(shelf life of 24 months in an original unopened container).	



RootX Company

PO Box 7626 Salem, Oregon 97303

800.844.4974

rootx@rootx.com

www.rootx.com