



Probiotic[®]

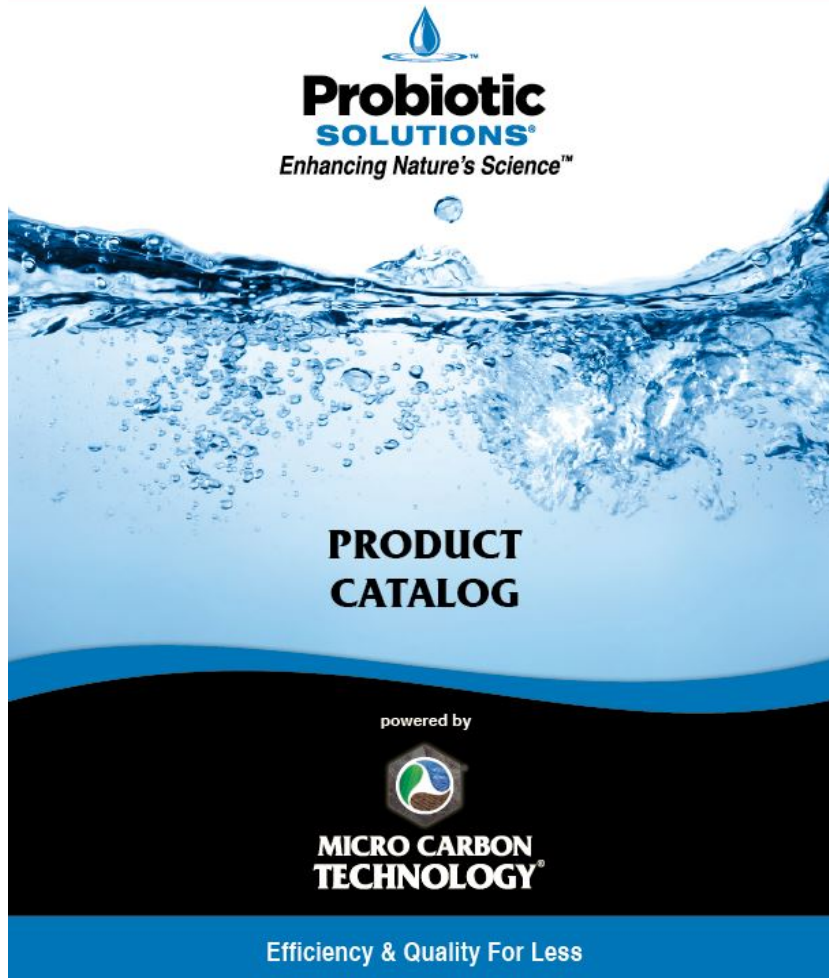
SOLUTIONS

WELCOME

Probiotic Solutions Happenings

- New Catalog
- New Expanded Product Offerings
- New Areas of Focus
- Total of 8 Different Opportunities to grow your business
- New Case Studies and looking for more

THE NEXT GEN OF WASTEWATER TREATMENT



- Fresh Look
- Well Received
- Positive Feedback
- Very Helpful

2013 Product Offerings

- Bio Energizer[®]
- Bio Dredge[™]
- Liquidator[®]
- Micatrol[®]
- Nutriplex[®]
- Phyto-Max[™]
- Super Phos[™]

Expanded Product Offerings

- Bio Genesis[®]
- Max-Pak[®]
- Septicure[™]
- Super Nitro[™]
- X-Tend[®]
- Encapsalt[™]
- Huma Burst[™]
- Huma Pro[™]
- MicroPlex-HC[™]

Areas of Focus

- Municipal Wastewater
- Industrial Wastewater
- Livestock Waste Management
- Soil Remediation
- Aquaculture
- Septic Systems
- Supplemental Carbon Source
- Groundwater Remediation

Abattoir WW Plant, Client in AU

Treatment Lagoon lost to sludge accumulation – offline in 2013

- Approximately 1.3 meters of sludge removed from extent of lagoon.
- Regained treatment capacity
- Improved irrigation water quality

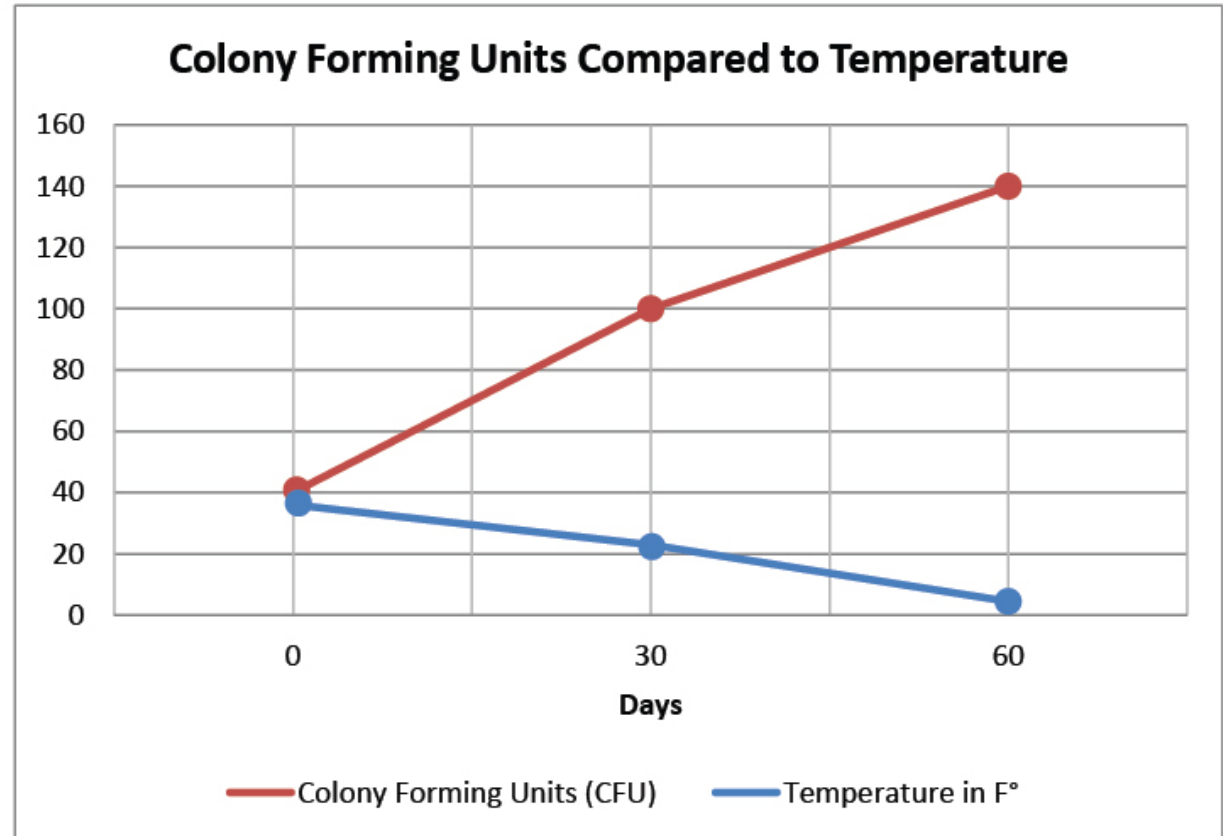


Wisconsin Returning Municipal Client

Wisconsin:
Cold Weather

Bacterial
Stimulation Study

Study occurred
November to January



Municipal Activated Sludge, AZ Client

Facility Flow - 30,283 cubic meters per day (8 MGD)

Initial Desired results:

- Increase mixed liquor volatile suspended solids (MLVSS) concentrations
- Reduce Foaming
- Reduce sludge wasting
- Reduce oxygen injection requirements.

Encouraging results:

- Increased MLVSS and Eliminated Foam
- Concentrated treatment down to 3 units
- Lowered Power consumption
- Lowered Oxygen injection needs
- Lowered Disinfection chemical usage
- Improved SVI



Permitted maintenance

Dairy, Client in Australia

Forage Quality Improvement

Irrigated *Phalaris* pasture grass

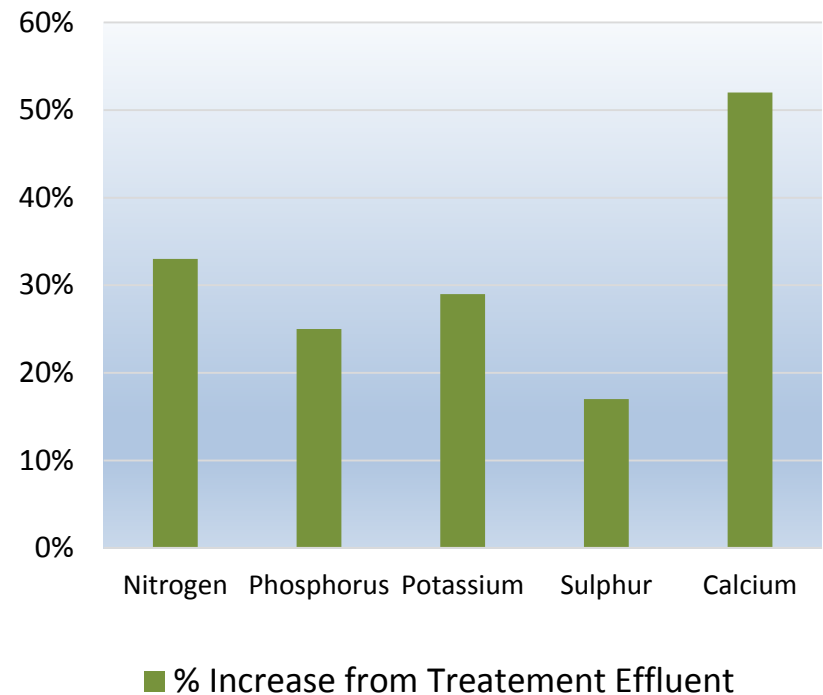


Without Bio Energizer®



With Bio Energizer®

Increase in Plant Tissue Concentrations Resulting from Effluent Treated with BE



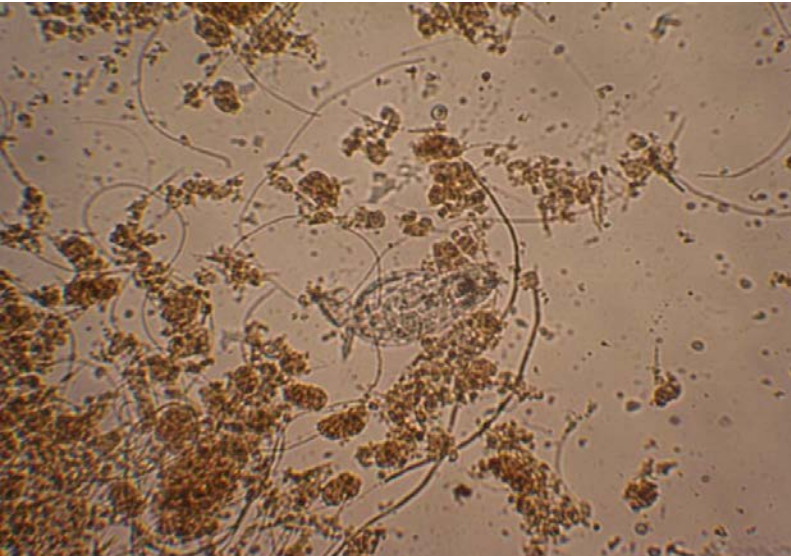
Qualitative and quantitative improvements in *Phalaris* pasture grasses irrigated with effluent pond water treated with Bio Energizer®, compared to a control pasture irrigated with non-treated dairy wastewater.

Pulp and Paper Mill, Client China

Super Phos™

Activated Sludge System Improvement

- Reduced Chemical Usage
- Reduced Chemical Costs
- More Active Microbiology
- Maintained System Efficiency



Septic System, Client MA

Septicure™

Septic System Improvement

- No solids build up
- Scum layer significantly reduced
- No offensive odors

Leach Field Improvement

- No standing water in leach field
- No offensive odors



Where To Next?

- Northeast
- Midwest
- Florida
- Greece
- Panama
- Canada



Probiotic[®] SOLUTIONS

Thank You
