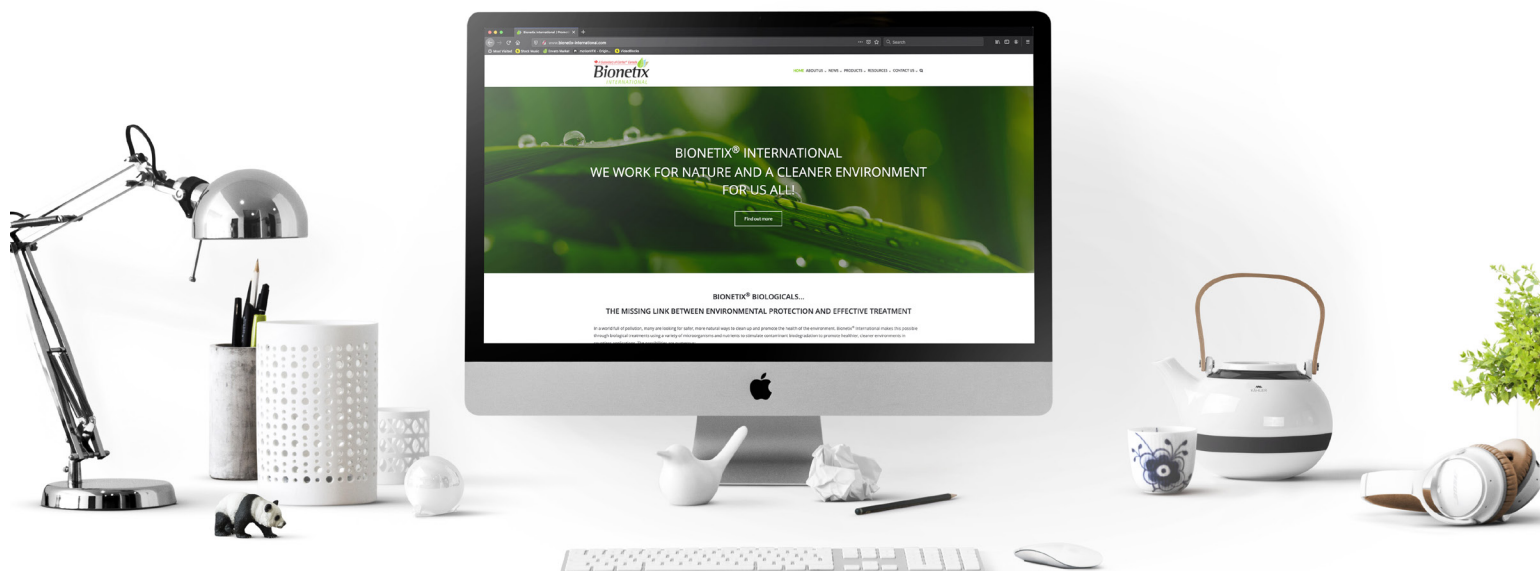


Bionetix® Newsletter

February 2020

Introducing Our Fresh New Portal to Biotechnology Solutions!



Here at Bionetix®, we are excited to share our newly redesigned [website](http://www.bionetix-international.com/), which was launched in just the last few months! The revamped website has a clean, fresh look that opens an exciting gateway to biological solutions for anyone interested in harnessing the power of nature to clean up the environment, control odor, enhance agriculture, and more!

The site contains helpful introductory information about how Bionetix® biotechnology works by relying on specialized microorganisms, nutrients, and biostimulants to benefit a broad range of applications:

- Waste Treatment
- Industrial & Institutional Clean Solutions
- Manufacturer Additives and Concentrates
- Agricultural Treatments
- Animal Feed
- Biostimulants
- Specialty Industries

Browse our product lines and be sure to sign up for free access to our growing library of Bionetix® case histories that show biotechnology in action! Visit the new website today: <http://www.bionetix-international.com/>!



BIONETIX® NEWS

Another Year of ISO Quality Audits Successfully Completed!

January is ISO 9001:2015 audit time at our plant in Ste-Anne-de-Bellevue, Quebec! As usual, Bionetix® passed the quality management system recertification audit with no major or minor non-conformities. This is just one more example of how we at Bionetix® take quality seriously and remain committed to providing excellent products and services to you, our valued customers!

Biologicals Capture Attention at ISSA North America

Bionetix® was pleased to present biological solutions to many industries looking for odor control solutions a few months ago at ISSA North America in Las Vegas, Nevada. Once again, Bionetix's BIOBLOC22™ biological solution for grease traps was a huge draw to the booth, attracting hotels, restaurants, and food processing companies looking for a way to improve their grease trap maintenance and odor control.

Odor control in urinals was the second most common problem. For many attendees, the concept of putting "good" bacteria to work in a slow-release block that helps degrade odor-causing contaminants was a new and welcome idea. To a few who had tried the technology but wanted a new supplier, Bionetix® was able to offer better services with competitive prices!

Next stop: Interclean Amsterdam! Be sure to join us at booth 02.405 if you are in the area May 12th-15th! (Get more details in our upcoming events section at the end of this newsletter.)



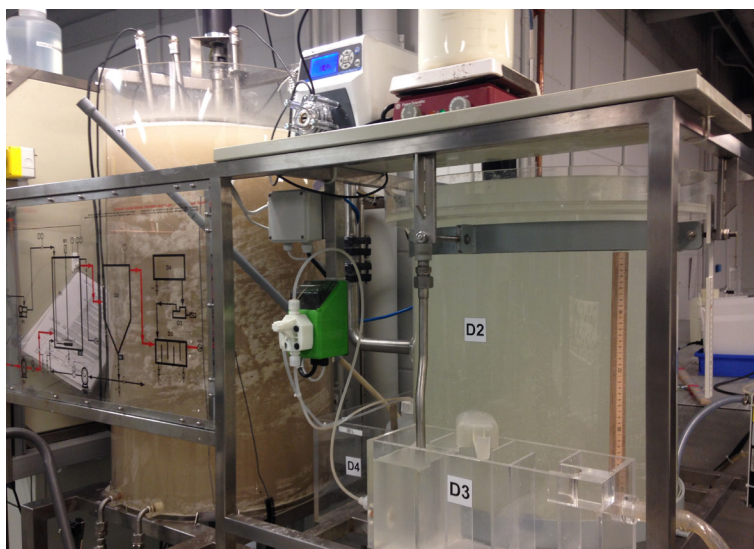


Case Histories

We are pleased to have added five case histories to our growing library of real-life Bionetix® application examples since our last newsletter. These cover the gamut of wastewater treatment, technical education, driveway cleanup, and a potato farm trial. Read a snapshot of these stories below, or follow the links to log in and read the full case histories.

Wastewater Pilot Plant

A college in Quebec needs to start up a small secondary wastewater treatment pilot plant every school year for student observation. In order to get enough activated sludge (MLSS) to launch the reactor, they have been adding BCP50™. This helps them reach the desired state and allows students to carry on with their daily study of the wastewater system. Read more: http://www.bionetix-international.com/wp-content/uploads/Restricted_Case_Histories/ch030.pdf



Industrial Bakery Wastewater

An industrial bakery in Russia discharged 250 m³ (66,043 gallons) of water to the centralized drainage system daily. The bakery was facing fees for not meeting quality levels but was able to bring indicator levels well within bounds after applying BCP22™ and BCL2100™ directly to the factory drainage system. Read more: http://www.bionetix-international.com/wp-content/uploads/Restricted_Case_Histories/ch031.pdf

Starch Plant Sewage Fees

A starch factory in Russia was also facing fees for exceeding acceptable BOD and TSS levels in 1100 m³ (290,589 gallons) of wastewater released to the central drainage system each day. Adding BCP22™ and ECO-TRAP™ to the production area drain reduced TSS by

65.5% and BOD5 by 88% after only two weeks of treatment. Read more: http://www.bionetix-international.com/wp-content/uploads/Restricted_Case_Histories/ch032.pdf

Eliminating Potato Scab

A potato farmer in Japan was having a high level of potato scab infection and decided to try ORGANIC PLUS™ RH in a 35-hectare (86 acre) test field. This eliminated the potato scab and led to the conclusion that the synergistic action of rhamnolipids and other naturally derived ingredients in ORGANIC PLUS™ RH had helped control the scab through natural mechanisms. Read more: http://www.bionetix-international.com/wp-content/uploads/Restricted_Case_Histories/ch033.pdf



Driveway Oil Spill Cleanup

A homeowner familiar with the claims of BCL5000™ decided to try it and see for himself how it worked after his car leaked oil all the way up his driveway. A trial on two paving stones proved effective, so he decided to apply BCL5000™ to the rest of the driveway, the concrete gutter at the end of the driveway, and the asphalt road beyond. BCL5000™ worked on all three surfaces and left the homeowner with a clean driveway and firsthand confidence in BCL5000™! Read more: http://www.bionetix-international.com/wp-content/uploads/Restricted_Case_Histories/ch034.pdf

Practical Ideas for Bringing Biotechnology Home to Your Clients

Here are some ideas for how to help your clients make the practical application of biotechnology to their needs:

Time to plan for cleaner ponds and healthier fish—it's the Northern Hemisphere's turn!

Nutrient pollution is a big culprit for algae growth, as the heavy use of fertilizer creates nutrient rich runoff in lakes and waterways. During warm weather, BCP54™ can be used to maintain pond clarity. The biologicals contained in BCP54™ decrease cloudiness, promote settling of suspended solids, and reduce nutrient pollution and odors. They also help to break down organic matter at the bottom of the pond to reduce sludge. This is especially important in ponds that have high levels of fish or plant life.

Owners of ornamental ponds or aquaculture lagoons can further promote the health of their aquatic species, including fish or shrimp, by adding AQUA-FEED™ to their fish or shrimp food. AQUA-FEED™ acts like probiotics for fish, improving feed quality and encouraging a healthier digestive and immune system for an overall healthier aquatic population.

For regions in the Northern Hemisphere that will soon be coming into the spring season, BCP655™ is a good way to give a boost to pond clarity while the weather is still cool and natural nitrifiers have not awakened much yet. BCP655™ can remove organic nitrogen (such as amino acids, proteins, purines, pyrimidines, and nucleic acids) and help with ammonia levels even in cooler temperatures like those in early spring. The microorganisms in BCP655™ have a healthy appetite for carbon, allowing them to consume nitrogen at a higher rate than typical. BCP655™ microorganisms can also use nitrite/nitrate for respiration when dissolved oxygen levels are low, which could easily happen in lakes or ponds that have been at a standstill for several months.

With summer coming soon to the Northern Hemisphere, do not miss out on the important natural advantages Bionetix® biologicals can bring for cleaner ponds and healthier fish. Contact us today to discuss the possibilities for you and your clients! <http://www.bionetix-international.com/contact-us/>

Ideas for helping formulators put the natural cleaning power of microbes to work

HYGIEA2400™ is an excellent example of Bionetix's multiple spore blend concentrates for formulating products with exceptional cleaning power and odor control. HYGIEA2400™ contains "good" bacteria that biodegrade specific compounds such as grease, fats, oils, starches, proteins, and cellulose. Microorganisms in HYGIEA2400™ effectively use these substances for food, leaving behind simple carbon dioxide and water as non-hazardous byproducts.

HYGIEA2400™ can be used to formulate a wide array of products used for

- Carpet and fabric care (e.g., odor and stain removal of milk, vomit, urine, feces, blood, coffee, wine, etc.)
- Trap and drain maintenance for grease deposits and odor control
- Waste degradation in septic tanks, wastewater systems, and composting environments (ponds, lagoons, etc.)
- Bathroom maintenance (surface cleaning and odor control) of fixtures and floor drains
- Odor control in garbage pails, dumpsters, garbage trucks, landfills, and municipal sludge

HYGIEA2400™ has a pleasant fragrance and comes ready-to-dilute in a 10X or 20X format. It can be used undiluted in cases of high organic waste. Rinse-water containing HYGIEA2400™ will also provide residual cleaning downstream.





Upcoming Events



INTERCLEAN AMSTERDAM

MAY 12th-15th, 2020

RAI AMSTERDAM

AMSTERDAM

NETHERLANDS

BOOTH #02.405

WWW.INTERCLEANSHOW.COM



NORTH AMERICA

ISSA Show North America 2020

ISSA SHOW 2020

OCTOBER 26th-29th, 2020

MCCORMICK PLACE

CHICAGO, IL

USA

BOOTH #3402

WWW.ISSA.COM



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