



Highly Effective,
Naturally Sourced
Cost Saving &
Socially Responsible
Waste Management for
Land & Water



INGENIOUS PROBIOTICS

TERRaa⁺ PROBIOTIC LAND & WATER CARE

NATURAL DECONTAMINATION

*FOR SEPTIC TANKS, INDUSTRIES
& AQUATIC ENVIRONMENTS*

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PROBIOTIC BIO-REMEDIATION

HIGHLY EFFECTIVE, SOCIALLY RESPONSIBLE & LOW COST PROBIOTIC CLEANING OF LAND & WATER

TERRAA+ Land & Water products provide highly effective decontamination using the natural power of probiotics - and without using toxic chemicals.

The core active ingredient is 100% natural, completely safe, plant-based, helpful bacteria called probiotics. Probiotics use the organic processes of anaerobic digestion and microbial bio-remediation to safely clean land, water, fuel and soil pollution at a deep microbiological level.

Every product provides a completely safe, cost effective and easy to implement solution that can cover large areas. The range is most effective when specifically designed for the environment being treated, so please contact your distributor for specialist advice.

TERRAA+ probiotics are one of nature's most powerful assets. They restore healthy microbial balance to whatever they clean. They:

- ✓ Significantly reduce physical quantity of complex waste, sludge & hydrocarbons, which reduces transportation & incineration costs & carbon footprint.
- ✓ Bio-degrade hydrocarbon pollutants into environmentally beneficial substances that can be re-used as fertiliser.
- ✓ Efficiently reduce lake sludge height by up to 30%, reducing costly dredging requirements.
- ✓ Improve water quality, clarity & purity by removing organic waste, mud and opportunistic bacteria.
- ✓ Improve the aquatic ecosystem by preventing blue green algae growth & re-balancing nitrates.
- ✓ Eliminate the root causes of unpleasant odours including ammonia & sewage.
- ✓ Zero contribution to antimicrobial resistance.

Benefits

Completely Safe for Operatives & Flora & Fauna

Socially Responsible & Sustainable

100% Natural & Chemical-Free

Friendly & Non-Mutative Bacteria

Hypo-Allergenic & Non-Irritating

SCS & EPA Approved Euro Class 1

Plant-Based, Vegan & Cruelty-Free

Recycled & Recyclable Containers





HIGHLY EFFECTIVE POLLUTION CONTROL

TERRAA⁺ LAND & WATER BIO-REMEDIATION

Socially Responsible Cleaning that Benefits & Enriches the Environment

Land and water pollution is a serious global problem that endangers both lives and the ecosystem. The TERRAA+ Land & Water decontamination range is packed with naturally occurring, completely safe, helpful probiotic bacteria that significantly reduce land and water pollution.

The probiotics use the natural and organic process of microbial bio-remediation to safely clean contaminated environments. The Environmental Protection Agency describes bio-remediation as a "treatment that uses naturally occurring organisms to break down hazardous substances into less toxic or non-toxic substances."

TERRAA+ probiotics significantly reduce the quantity of contaminants by breaking them down into harmless and re-usable substances, and then consuming them as a food and energy source. This provides an easy way to reduce hydrocarbon levels in affected areas to below required limits.

Significantly Reduces Quantity of Waste Pollutants



Can Give Exceptional Returns on Investment



Completely Safe for Operatives & Flora & Fauna



LAKE TREATMENT

The helpful probiotics in TERRAA+ Water Purifier consume organic waste, prevent the growth of blue green algae and can reduce sludge height by up to 30%. They make the water a cleaner, healthier and safer habitat for aquatic life.

WASTE WATER TREATMENT

This two stage process reduces waste quantity and then converts the remaining waste into harmless substances:

1. Add liquid concentrated probiotics (TERRAA+ Septic Tank Maintainer) to the incoming water pipe (approx. 1 litre of probiotics per 1m³ of incoming waste water - check flow rates and pipe sizes for volumes). This reduces the sludge volume by up to 30%.
2. Add solid probiotic granules (TERRAA+ Hydrocarbon Reducer) to the waste sludge (approx. 1kg per 2-300kg of sludge.) The probiotics break down the long chain molecules in the hydrocarbons and their additives, and reduce Polycyclic Aromatic Hydrocarbons (PAH) levels to below required limits. This makes the sludge safe for use as agricultural fertiliser and avoids the cost and carbon footprint of incineration. The sludge tank mixing pump mixes in the probiotics evenly and helps aerate them so they efficiently carry out the bio-remediation.

CONTAMINATED LAND TREATMENT

TERRAA+ Hydrocarbon Reducer efficiently breaks down the long chain molecules found in chemical additives in hydrocarbons, which leads to the natural bio-degradation of the hydrocarbons themselves. This can prevent the need to excavate land and incinerate soil once the PAH level is lowered to meet requirements. The probiotics are inserted into contaminated ground using reverse sampling methods.





PROBIOTIC SLUDGE CLEANING CASE STUDY

**Decreases Sludge Height in Lakes by 30%
WITH PROBIOTICS & WITHOUT CHEMICALS**



TERRAA+ Water Purifier



Sludge Height Reduced in Lake by 30%

Key Benefits

- ✓ Reduced sludge height by 30%, reducing dredging costs.
- ✓ Improved water quality & clarity.
- ✓ Low cost & simple to use over a large area.
- ✓ Socially responsible, sustainable & organic option.
- ✓ 100% natural ingredients & chemical-free
- ✓ Completely safe for operatives & flora & fauna

The Study

An impartial and independent quality standards laboratory undertook a study at a lake in Cours D'eau Le Saubin St. Ghislain in Belgium. The aim was to measure the effectiveness of TERRAA+ Probiotic Land & Water Care products on reducing sludge height. Sludge is made up of organic waste matter including mud, dead plants and fish excrement.

Two sections of the lake were treated with TERRAA+ Water Purifier and ten measurements of sludge height were recorded before treatment began and then after one month of treatment. The Water Purifier's core ingredient is naturally occurring, plant-based helpful probiotic bacteria.

The Results

Section One reduced from an average height of 52.6cm down to 34cm. Section Two reduced from an average height of 50.8cm down to 39.5cm. The TERRAA+ Water Purifier sludge height by an average of 30%.

SECTION ONE BEFORE TREATMENT Date: 15.12.17		SECTION ONE AFTER TREATMENT Date: 15.01.18		SECTION TWO BEFORE TREATMENT Date: 15.12.17		SECTION TWO AFTER TREATMENT Date: 15.01.18	
Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)
1	60	1	54	1	59	1	52
2	63	2	55	2	50	2	47
3	57	3	35	3	43	3	44
4	47	4	42	4	56	4	39
5	44	5	35	5	54	5	40
6	54	6	30	6	48	6	36
7	58	7	32	7	44	7	35
8	43	8	27	8	50	8	37
9	48	9	20	9	53	9	32
10	52	10	10	10	51	10	33
Average Height	52.6	Average Height	34	Average Height	50.8	Average Height	39.5

The Conclusion

TERRAA+ Water Purifier significantly reduces sludge height in the aquatic environment.

Read full study at: www.ingenious-probiotics/knowledge. See page 8 for TERRAA+ Water Purifier details.

Call +44 1268 544530 or email enquiries@pure-ingenious.com to find out more.



HYDROCARBON REDUCER

TERRAA+ PROBIOTIC DECONTAMINATION OF LAND & WATER

Restores Contaminated Land & Water to a Safe & Natural State

TERRAA+ Hydrocarbon Reducer uses the natural process of bio-remediation to safely and naturally clean environments contaminated by petroleum or carbon-containing products.

The core active ingredient is two different strains of 100% natural, completely safe, plant-based, helpful probiotic bacteria. One strain breaks down the long chain molecule of chemical additives in hydrocarbons, which allows decomposition into natural constituent parts. The second strain consumes the constituent component molecules as part of the Krebs energy cycle.

TERRAA+ Hydrocarbon Reducer can reduce lake bed sludge by up to 30%, which significantly reduces dredging requirements. It also reduces the volume of sludge waste from waste water treatment plants. This significantly reduces transportation and incineration requirements and costs, whilst also reducing carbon footprint. This increases profits and benefits the environment as the sludge can be used as agricultural fertiliser.

Low Cost & Simple to Implement Over Large Areas

TERRAA+ Hydrocarbon Reducer is a highly concentrated, effective and lower cost cleaning solution for:

- Industrial de-pollution
- Water decontamination - lakes, ponds & ground water
- Soil decontamination & bio-remediation
- Fuel & oil spillages on concrete surfaces e.g. garage forecourts & roads
- Hydrocarbon separators
- Sub-surface decontamination & bio-remediation

INSTRUCTIONS

Apply directly to the contamination and allow to work. NB: TERRAA+ Hydrocarbon Reducer works best when specifically designed for the environment being treated. **Please contact your distributor for specialist advice if unsure of dosage to use.**

RECOMMENDATIONS

- Do not use in combination with other products that may harm the treatment effectiveness.
- Close the packaging after use.
- Always wash hands after use.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Marine Substance (Calcium Carbonate)
- Mineral Salts
- Biological Activator
- Enzyme Complex
- Vegetable Extracts
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)

ASK ABOUT THE RANGE!



Powder Tub - 1kg or 10 kg

Socially Responsible, Safe & Organic

✓ **Bio-Degradation of Hydrocarbon Pollutants**

Significantly Reduces Waste

✓ **Quantity & Reduces Transport & Incineration Costs**

100% Natural & Completely Safe

✓ **for Operatives, Flora & Fauna**





SEPTIC TANK MAINTAINER

TERRAA⁺ PROBIOTIC DECONTAMINATION OF LAND & WATER

Maximises the Performance of Waste Water Systems

TERRAA⁺ Septic Tank Maintainer is a highly effective, natural alternative to harsh chemical cleaning agents for septic tanks, individual and collective water treatment plants, toilets and domestic waste water systems.

The core active ingredient is 100% natural, plant-based helpful probiotic bacteria. The probiotics thoroughly and naturally deep clean and purify at a deep microbiological level to restore healthy microbial balance. They significantly reduce the physical quantity of organic waste by using it as a natural food and energy source. This removes the unpleasant sewage odour and reduces septic tank emptying requirements, which saves time and costs.

They also easily unblock organic matter from inside the pipework.

TERRAA⁺ Septic Tank Maintainer also removes biofilm and opportunistic pathogenic bacteria. The quality of the discharged water is significantly improved, safer and nearly odourless, which reduces the burden on the environment. Probiotics have a slow release action and a longer lasting effect.

Significantly Improves Quality of Waste Water

TERRAA⁺ Septic Tank Maintainer is chemical-free and does not contain chlorine or other aggressive agents. This provides an environmentally beneficial and socially responsible cleaning solution, that is non-corrosive, quickly biodegradable and completely safe for operatives. It has zero contribution to antimicrobial resistance.



Powder Tub - 1kg or 10kg



Significantly Reduces Waste Quantity



Reduces Frequency of Tank Emptying Requirements



Removes Bacterial Biofilm & Unpleasant Odour

INSTRUCTIONS

Apply TERRAA⁺Septic Tank Maintainer directly into toilets or pipes, depending on the application and volume of water to be treated. Note: Any synthetic materials will not be removed.

TO UNBLOCK PIPES: Pour 50g into the toilet. Allow to soak for approx. two hours then flush the toilet.

FOR WASTE WATER TREATMENT (plants, absorption pits) follow this process: Pour 1kg TERRAA⁺ Septic Tank Maintainer directly into your purification system.
2. Pour 50g/week into the toilet. This will significantly reduce faeces and odours.



RECOMMENDATIONS

- Use as a preventive gentle treatment for avoiding imbalance of the waste water system.
- Do not use in combination with other products that may harm effectiveness.
- Wash hands after use.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Marine Substance (Calcium Carbonate)
- Mineral Salts
- Biological Activator
- Enzyme & Bacteriological Complex
- Vegetable Extracts
- Conditioning

ASK ABOUT THE RANGE!





WATER PURIFIER

TERRAA⁺ PROBIOTIC DECONTAMINATION OF LAND & WATER

Increases Operational Efficiency of Water Treatment Systems

TERRAA+Water Purifier thoroughly, efficiently and naturally cleans aquatic environments at a deep microbiological level. It is suitable for use in multiple aquatic environments including lagoons, ponds, biological pools, fish farming and ornamental ponds.

The core active ingredient is 100% natural, plant-based, helpful probiotic bacteria. They restore microbial balance and prevent the spread of infection by removing opportunistic pathogenic harmful bacteria and biofilm. They use organic waste in the sludge and mud as a natural food source. This anaerobic digestion significantly decreases sludge height and floating organic material. This enhances and enriches water quality, clarity and visual appearance.

Protects & Enhances the Health of Fish

TERRAA+ Water Purifier re-balances the chemical values of nitrates, phosphates and oxygen in the water. This protects the flora and fauna from potentially toxic compounds and prevents the uncontrolled growth of algae.

TERRAA+Water Purifier is chemical-free, contains no aggressive agents and is completely safe for operatives. This provides an environmentally enriching and socially responsible cleaning solution that does not contribute to antimicrobial resistance. A slow release action ensures a long lasting, preventative treatment.

INSTRUCTIONS

Treatment has two stages:

1. Spread 100g TERRAA+ Water Purifier per m³ of water by hand to colonise the environment. Apply to the surface of the centre of the aquatic environment, depending on the water volume being treated.
2. Reapply 50g TERRAA+Water Purifier per m³ of water once every week.

RECOMMENDATIONS

- Use as a preventative gentle treatment for avoiding imbalance of the aquatic system.
- Apply in an outdoor environment at a minimum temperature of 2°C.
- Apply directly to the contaminated area, especially where contamination is highest.
- Do not use in combination with other products.
- Store in a dry place between 10°C and 35°C.
- Keep out of the reach of children.

COMPOSITION

- Marine substance (Calcium Carbonate)
- Mineral salts
- Vegetable proteins
- Enzyme & bacteriological complex

ASK ABOUT THE RANGE!



Powder Tub - 1kg or 10kg



Cleans Water at a Deep Microbiological Level



Reduces Sludge Volume & Blue Green Algae Growth



100% Natural & Completely Safe for Operatives, Flora & Fauna





**Fitness & Wellness
Probiotic Cleaning**



**Healthcare
Probiotic Cleaning**



**Commercial &
Residential
Probiotic Cleaning**



Farming Care



Aquatic Care



Equine Care



Pet Care



**Ingenious
Probiotic
Air Dispenser**



**Ingenious High
Grade Air
Purification**



CONTACT US TODAY

FOR NATURAL PROBIOTIC DECONTAMINATION OF LAND & WATER



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