



ADVANCE
ALLIANCE



PHOENIX
HARVEST

Nature in a bottle

Ergofito

Cost effective bio-remedial agent
Brought to you by Advance Alliance





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Overview

Experience the
difference



Researched and developed over 36 years by Italian Scientists at the University of Bologna, Ergofito products set the standard in the field of environmental remediation. The full range of Ergofito products is manufactured and globally distributed from our factory in Cape Town. Traditional chemical solutions are notoriously harsh, dangerous and expensive. In addition, these chemical solutions often give rise to undesirable side-effects and a whole range of additional problems such as costly, challenging logistics, and health and safety measures. Instead, we offer "Nature in a Bottle". Ergofito products are safe, easy to handle and use, and boast long shelf lives. This range of products contain our proprietary Ergofito Micro Concentrate, a 100% natural and environmentally friendly Metaboliser-enzymatic blend. Ergofito is Earth's natural biological remediator.

What sets Ergofito apart?



Ergofito Micro Concentrate contains a complete set of naturally occurring, biological metabolisers – something few, if any, can claim to have at this time. What this means, is that when the right proportion of enzymes and bacteria is present, they are able to live in harmony, without competition between the colonies and subsequent die off. Most other companies out there have not managed to harness this harmony in a complete set of microbiology, and, as in nature, when there is imbalance, things do not survive. This is not the case with Ergofito Micro Concentrate microbial blend, which, when deployed, thrives in the natural elements and continues to provide a tiny ecosystem of waste processing microbes.

Nature in a bottle.



What sets Ergofito apart?



A distinct feature in any of our products, is that they will not only breakdown the hydro-carbons, but they will continue the remediation process whereby all the organics are converted into humic content, which is the only way the remediation can be completed.

It is worthwhile noting that the Ergofito Micro Concentrate metabolisers are completely naturally occurring. They are not modified in any way – and as such, we are simply re-introducing metabolisers that should already be in the soil, but which have been destroyed by human elements.

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Solution Management

We offer cost effective, highly efficient and environmentally friendly solutions to the agricultural and industrial sectors. Ergofito is actively deployed in many industries globally which include the following fields:

1 AGRICULTURAL SOLUTIONS 	2 PLANT DISEASE 	3 SEEDS 	4 SOIL REHABILITATION
8 OIL REMEDIATION 	7 AQUACULTURE 	6 RIVERS & LAKES 	5 COMPOSTING
9 GREASE & FATS 	10 SEWAGE REMEDIATION 	11 ODOURS 	12 VINASSE
15 HYDROGEN SULFIDE 	14 LIVESTOCK 	13 MOSQUITOES 	

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Major Categories



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Hydrocarbon Remediation

Oil Spills, Mine Dumps, Pit Closures, Leaks, Tank Cleaning, Soil & Water Contamination, Fire Fighting

Mining & Dust Control

Soil Rehabilitation, Underground & Above Ground Dust Control, Fire Fighting

Waste Water Treatment

Industrial & Municipal Waste Water Treatment, Fat, Oil & Grease Remediation, Lakes & Rivers

Human Health

Probiotic Dietary Supplements

Agriculture & Animal Health

Soil Restoration, Plant Disease, Veterinary Solutions, Seeds

Pest Control

Mosquitoes, Flies, Agricultural Pests



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Hydrocarbon Remediation

Hydrocarbons in whatever form are generally the most common contaminant that requires remediation due to their widespread occurrence and the risks they pose to humans, animals, environmental and all living organisms.

Ergofito is the most efficient and cost-effective method of remediation for soil, fresh or seawater contaminated by hydrocarbons.

Upon application Ergofito metabolisers begin attacking hydrocarbons and converting them to humus, rendering them a clean, healthy organic fertiliser.

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Hydrogen Sulphide Metabolisation

- Our Hydrogen Sulphide Metaboliser is a highly effective and cost-effective solution for metabolising H₂S quickly.
- H₂S is a dangerous gas encountered by drilling operators. It is toxic, corrosive and flammable, leading to injury, death, damage to infrastructure and huge losses in productivity.
- Within minutes Ergofito will decrease H₂S from fatal to harmless levels. In testing, our product has been proven to decrease H₂S levels from 92ppm to 0ppm in a matter of minutes.
- Proven to be a reliable and cost-effective solution in a range of drilling environments, our system requires minimal maintenance and low operating costs.
- Save lives, boost productivity, improve your bottom line.

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Waste Water Treatment

We offer the most efficient and cost effective way to treat both industrial and municipal waste water in a completely environmentally friendly manner.

Approved by the EPA and able to handle any size of water treatment plant.

- Eliminate pathogens & odours
- Decrease FOG and rapidly decompose solids
- Improved plant efficiency
- 95% decrease in total phosphorous and dissolved Nitrogen
- Produce Agricultural grade water free from pathogens

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Agriculture & Animal Health

Plant range of products:

- Restore overworked land
- Accelerate plant development & improve yields
- Improve plant resilience to disease and environmental factors (such as drought)

Veterinary Range of products:

- Improve animal health
- Improve feed conversion
- Improve yield
- Combat common ailments (hoof rot, crypto, ocular disease)

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Mining & Dust Control

- Allow for rapid rehabilitation of mine dumps into arable land
- Decrease Dust by 85% compared to conventional methods (surface & underground)
- Improve Road integrity
- Use up to 98% less water for dust control
- Remove Hydrocarbons
- Onsite Waste Water Remediation



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Human Health

Rhizo Health has successfully alleviated many illnesses such as: gout and inflammation, ulcers and heartburn, wound infection, lung infection, athlete's foot and many others. It does this simply by boosting your body's immune system in a natural way.

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Pest Control

Mozzi-ology provides the most efficient and cost-effective method of mosquito control - eliminating mosquitos in an area in a completely natural and environmentally friendly way.

- 100% Harmless to human, pets, plants and other insects
- Decreases mosquito population by 90% within 10 days

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Fire Fighting

- It has been proven to be extremely beneficial as a fire-fighting mechanism - outperforming water, foam and other chemical retardants.
- The product is able to reduce the time taken to extinguish the fire, reduce the amount of water required and thereby allow for smaller pumping arrangements, reduce the numbers of firefighters required, prevent re-combustion/reignition, reduce smoke and chemical emissions.
- The product is also exceptionally penetrating and is able to go places water cannot get to.

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Ergofito Global

- Ergofito has been used as a bio-remediation agent in 48 countries, including the Kingdom of Saudi Arabia, Kuwait, Oman, USA, Iraq, India, Belgium, South Africa, Italy, Spain, Argentina, New Zealand, Australia and Indonesia.



Kuwait Oil Company
شركة نفط الكويت

- EPA Certified





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Certification

✓ **South Africa**

✓ **USA**

✓ **New Zealand**

✓ **Nigeria**

✓ **Hong Kong & China**

✓ **Saudi Arabia**

✓ **Oman**

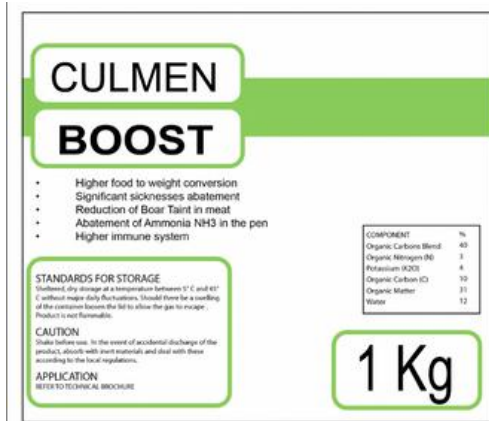
✓ **Europe**

✓ **Kuwait**

Products

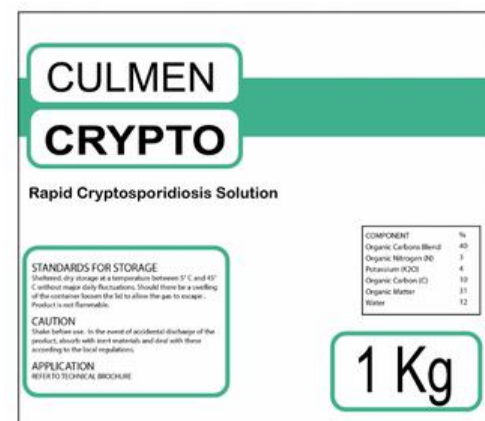


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CULMEN BOOST

Is a natural precisely formulated additive to assure that pigs stays healthy throughout their growth cycle from piglet to baconer.: Culmen Boost



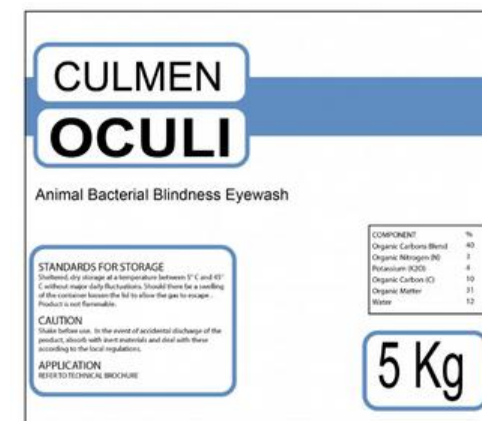
CULMEN CRYPTO

Ils a 100% natural method to cure all livestock of the diarrheal disease cryptosporidiosis (Crypto): See Document: Culmen Crypto



CULMEN HOOF

Ils a Foot Bath for Treatment of Hoof Rot. See Documents Under Livestock: Culmen Hoof



CULMEN OCULI

Powerful Anti-pathogenic eye wash for Ocular Disease. See Documents Under Livestock: Culmen Oculi



AMMON FREE

AmmonFree used for the elimination of Ammonia: Used in Chicked Houses. Used in Pig/Hog Pens. See Documents under: Remediation



ERGOFITO BIO

Ergostart Bio is an Agricultural Product Used to Increase the Presence of Humus in the Soil Remediate Damaged Soil and Brings Back Life to the Land. See Agricultural and Soil Remediation Documents: Documents

Products

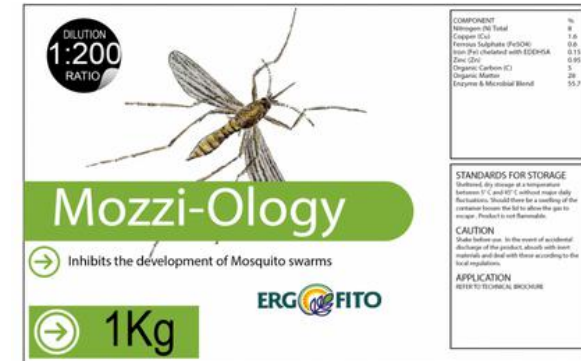


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ECO FLUSH

For the remediation of Fats and Greases. Used for fat/grease traps. Cleaning of Drains, Floors and Sinks. See Document: FAT/Grease Traps



MOZZI-OLGY

Elimination and Control of Mosquitoes: See document: Mosquito Control



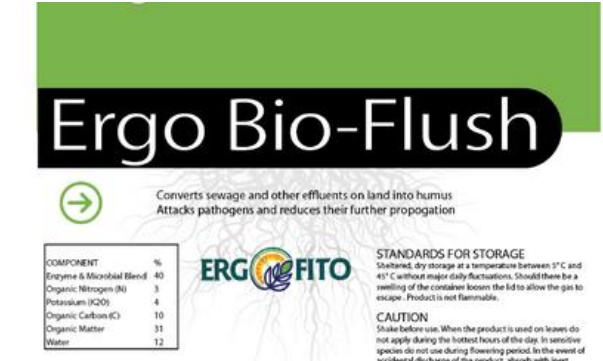
ERGOFITO AQUA

Remediation of all forms of Hydrocarbons: All forms of Oils, Fats and Grease. See Document: Oil Remediation



ERGOFITO AQUA

Ergofito Aqua GW: Remediates Sewage containing Fats/Greases. Remediates Grey Water. See Sewage document: Sewage



ERGO BIO FLUSH

Remediation of all forms of Sewage: Municipal Sewage Plants, Animal Waste. Organic based Industrial Waste. Prevents the spread of Pathogens. See Documents Under Remediation: Brochures

Products



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ERGOFITO DIL

Used in Agricultural as a wetting agent. See document: DIL Agri
Used in Hydrocarbon Remediation and for Oil Separation. See documents: DIL Hydrocarbo Oil Separation



H2O

Used in Aquaculture:
For Remediation on Fish Farms and Aquariums. Eliminates Ammonia, Keeps the pH. Neutral. See document: Aquaculture



ERGOFITO ROOT STIM

Agricultural Product: Contains Kelp Extract. Improves root development. See Documents under Agriculture: Ergofito Root Stim



UNIVERSAL

A General Purpose Agricultural Product for all Crops, Fruits, Vegetables, Grass and Trees. It also Contains Kelp for Improved Root and Leaf Growth. See All Documents Under Agriculture: Brochures



ECO FLUSH

Rhizo Health:
Used for the treatment of many human ailments. See Document: Rhizo Health.



ERGOFIT MICRO MIX AQUA

TECHNICAL PRODUCT BULLETIN: B-67
USEPA, OIL PROGRAM CENTER
LISTING DATE: JULY 27, 2011
"ERGOFIT MICRO MIX AQUA"

I. NAME, BRAND, OR TRADEMARK
ERGOFIT MICRO MIX AQUA
Type of Product: Bioremediation Agent (Microbiological Culture, Enzyme Additive, Nutrient Additive)

II. NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER/CONTACT
ERGOFIT USA LLC
40 E. Main Street #379
Newark, DE 19711
Phone: (302) 235-3085
Fax: (801) 846-8043
Mobile: (985) 722-8882 or (310) 739-9773
E-mail: info@micromix-usa.com
Web Site: www.micromix-usa.com
(Mr. Warren Russell, US Factory Representative)

III. NAME, ADDRESS, AND TELEPHONE NUMBER OF PRIMARY DISTRIBUTORS
Systems Research International, Inc.
13 Hermitage Court
Destrehan, LA 70047-3626
Phone: (985) 764-1692
Mobile: (985) 722-8882
E-mail: info@micromix-usa.com
Web Site: www.micromix-usa.com
(Mr. Ram Ramachandran, Principal Engineer)

IV. SPECIAL HANDLING AND WORKER PRECAUTIONS FOR STORAGE AND FIELD APPLICATION
1. Flammability: Water-based, Non-flammable
2. Ventilation: Needs no ventilation; aqueous-based organic product; does not emit hazardous vapors. Some CO2 may build up.
3. Skin and eye contact; protective clothing; treatment in case of contact: ERGOFIT MICRO MIX AQUA is not a dermal irritant. Avoid eye contact, and wear goggles when using product. Eyewash for quick and copious eye flushing should be available on site. Seek prompt medical attention should contact occur and if irritation persists. Protective rubber gloves are suggested during handling. ERGOFIT MICRO MIX AQUA has a smell of fermentation and yeast. The product does not give off harmful vapors. Long storage will cause build CO2 in water vapor.
4.a. Maximum storage temperature: 104°F
4.b. Minimum storage temperature: 32°F
4.c. Optimum storage temperature range: 57°F to 97°F
4.d. Temperatures of phase separation and chemical changes: above 113°F

V. SHELF LIFE
ERGOFIT MICRO MIX AQUA has a recommended shelf life of 5 years. After 5 years at

VII. TOXICITY AND EFFECTIVENESS

a. Toxicity:
NA

b. Effectiveness:
Bioremediation Agent Effectiveness Test (40 CFR 300.900), Federal Register September 15, 1994:

Summary Data Table:

DAYS	PRODUCT	TOTAL MEAN ALKANES (ppm)	RED% 28 DAYS	TOTAL MEAN AROMATICS (ppm)	RED% 28 DAYS
0	CONTROL PRODUCT	239,235 239,686	0 0	16,502 17,431	0 0
7	CONTROL PRODUCT	217,023 17,819	9.30 92.6	10,942 9,606	33.70 44.90
28	CONTROL PRODUCT	188,379 2,216	21.3 99.10	8,989 3,100	45.50 82.20

Results of Gravimetric Analysis:
Percentage (%) Decrease in Weight of Oil on Day 28
Control: 1.7%
Product: 45.6%

Avoid eye contact, and wear goggles when using product. Eyewash for quick and copious eye flushing should be available on site. Seek prompt medical attention should contact occur and if irritation persists. Protective rubber gloves are suggested during handling. ERGOFIT MICRO MIX AQUA has a smell of fermentation and yeast. The product does not give off harmful vapors. Long storage will cause build CO2 in water vapor.
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Contact Us

For any questions or clarifications on our presentation.

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