

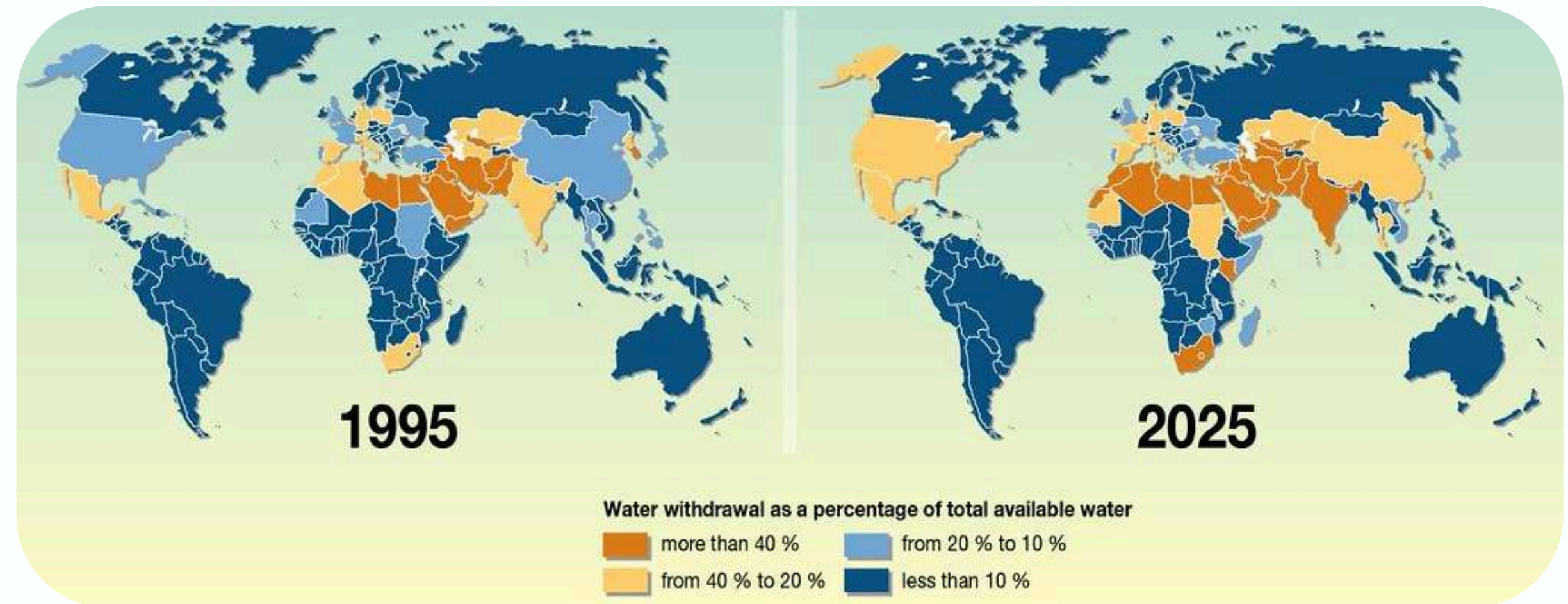
LIQUID NATURAL CLAY



www.soyl.ag

Making Earth Green Again

Global Challenges We Face



Water Scarcity

Agriculture accounts for 70% of global freshwater use, but by 2025, 1.8 billion people will live in regions with absolute water scarcity, severely affecting agricultural sustainability and ecosystem health.

Soil Degradation

Currently, 33% of the world's land is moderately to highly degraded due to erosion, salinity, and desertification, impacting global food security and reducing crop yields by up to 50% in some regions.

Urbanization & Climate Change

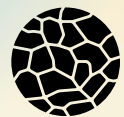
By 2050, nearly 70% of the global population will live in urban areas, further stressing land and water resources. In addition, climate change is predicted to reduce global crop yields by up to 25% by 2050, increasing the strain on agricultural land..

Global Challenges – Why Change is Urgent



Irrigation Inefficiency

Up to 70% of water is wasted in traditional irrigation systems.



Soil Destruction

Soil degradation is accelerating due to erosion, salinity, and desertification.



Population Growth

Growing populations and expanding urban areas place immense pressure on agricultural systems and natural resources.



Traditional Farming Challenges



Inefficient Water Use

Requires frequent irrigation, losing up to 70% of water to evaporation and poor soil absorption.



Slow & Costly Soil Treatment

Conventional clay treatments take 7-15 years to show results and demand up to 100kg of raw material per m².



High Costs and Environmental Impact

Expensive and resource-intensive processes that degrade over time, requiring repeated applications.



Labor-Intensive

Highly intrusive methods require significant manual or mechanical labor, increasing operational costs and risks of human error.

Introducing Liquid Natural Clay (LNC)

The Solution:

LNC is a patented, 100% natural solution, locally manufactured and applied on-site, that transforms sandy, arid soils into fertile, water-retentive landscapes in just a few hours.

How It Works:

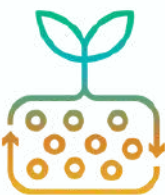
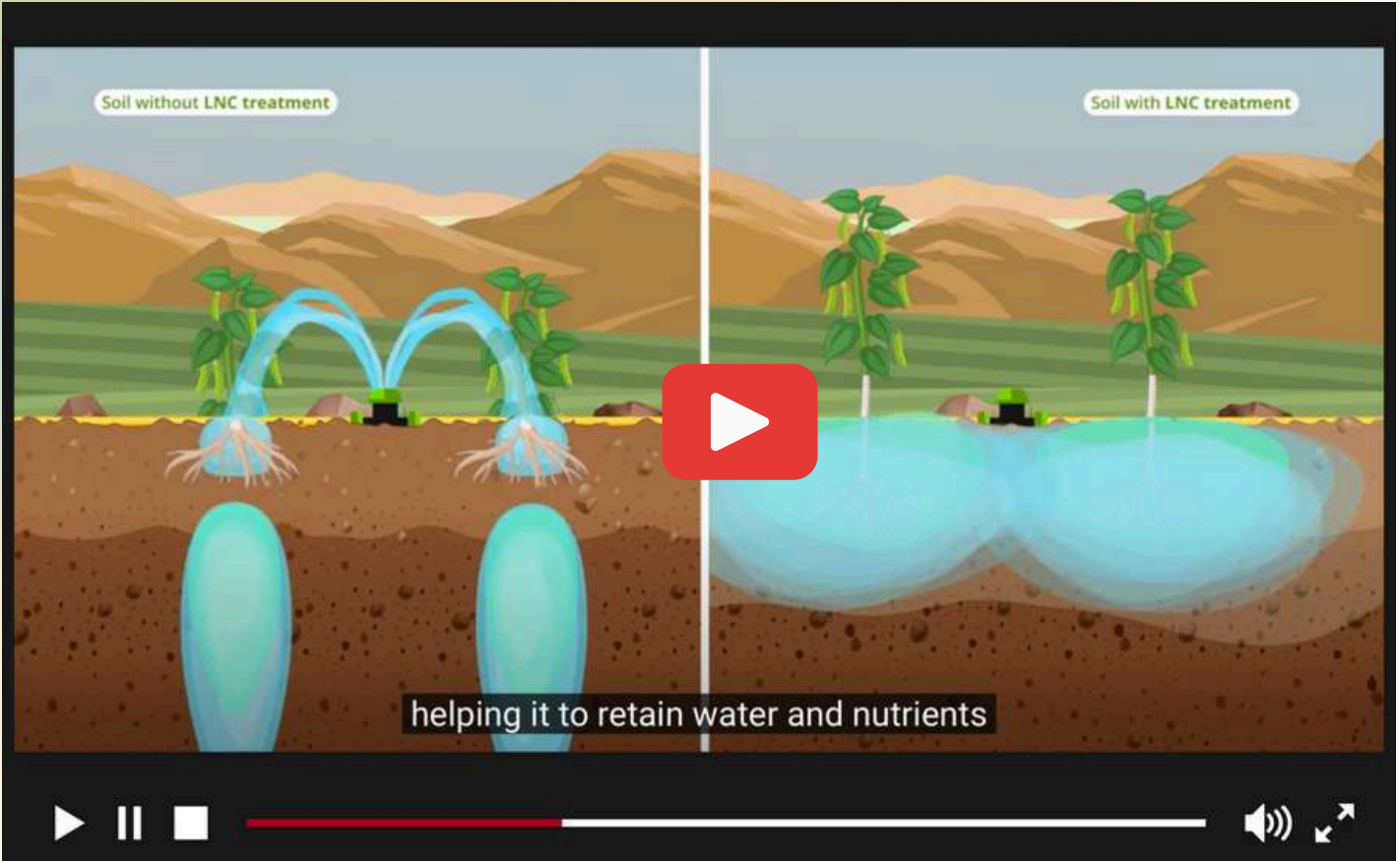
- LNC forms a sponge-like structure in the soil, retaining water and nutrients at the root level.
- One application lasts up to 5 years, saving up to 50% in water usage & boosting yeild upto 62%.



Using our pioneering Liquid Natural Clay (LNC) technology, we transform arid lands into fertile grounds, supporting sustainable agriculture and greening the desert.

What is LNC?

Liquid Natural Clay (LNC) is a 100% natural, chemical-free mixture of water and industrial clay. It can be applied using existing irrigation systems, where it seeps into the soil, creating spongy structures at the root level. This allows for up to 50% water savings without the need for additional equipment.



AS SEEN ON



Mashable



3 EASY STEPS



APPLY

Apply directly to sand or arid soil to form a sponge-like structure



SAVE

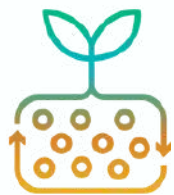
Saves up to 50% water with a non-intrusive method



GROW

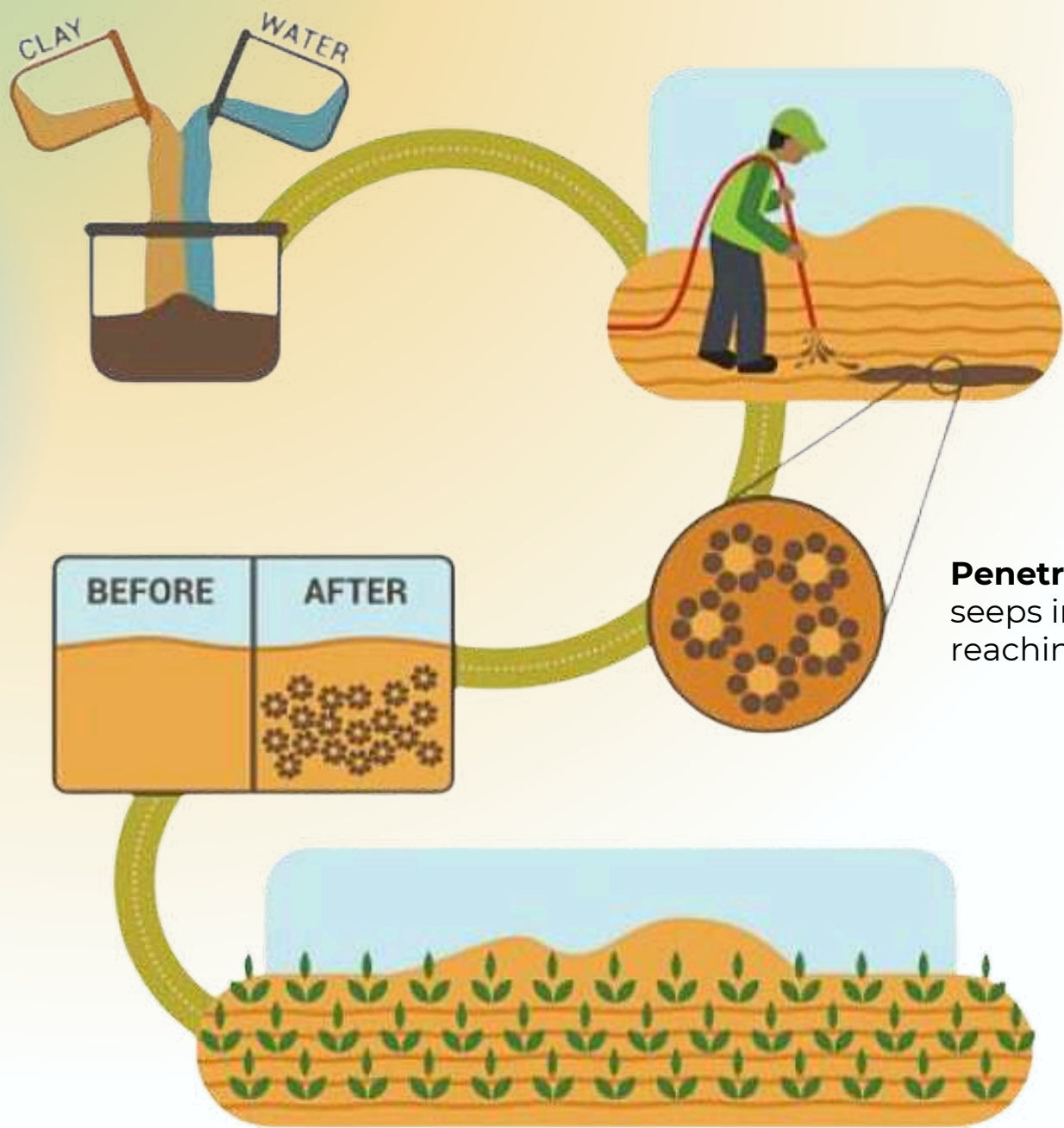
Increases crop yields by up to 62% & combats desertification

How Does It Work?



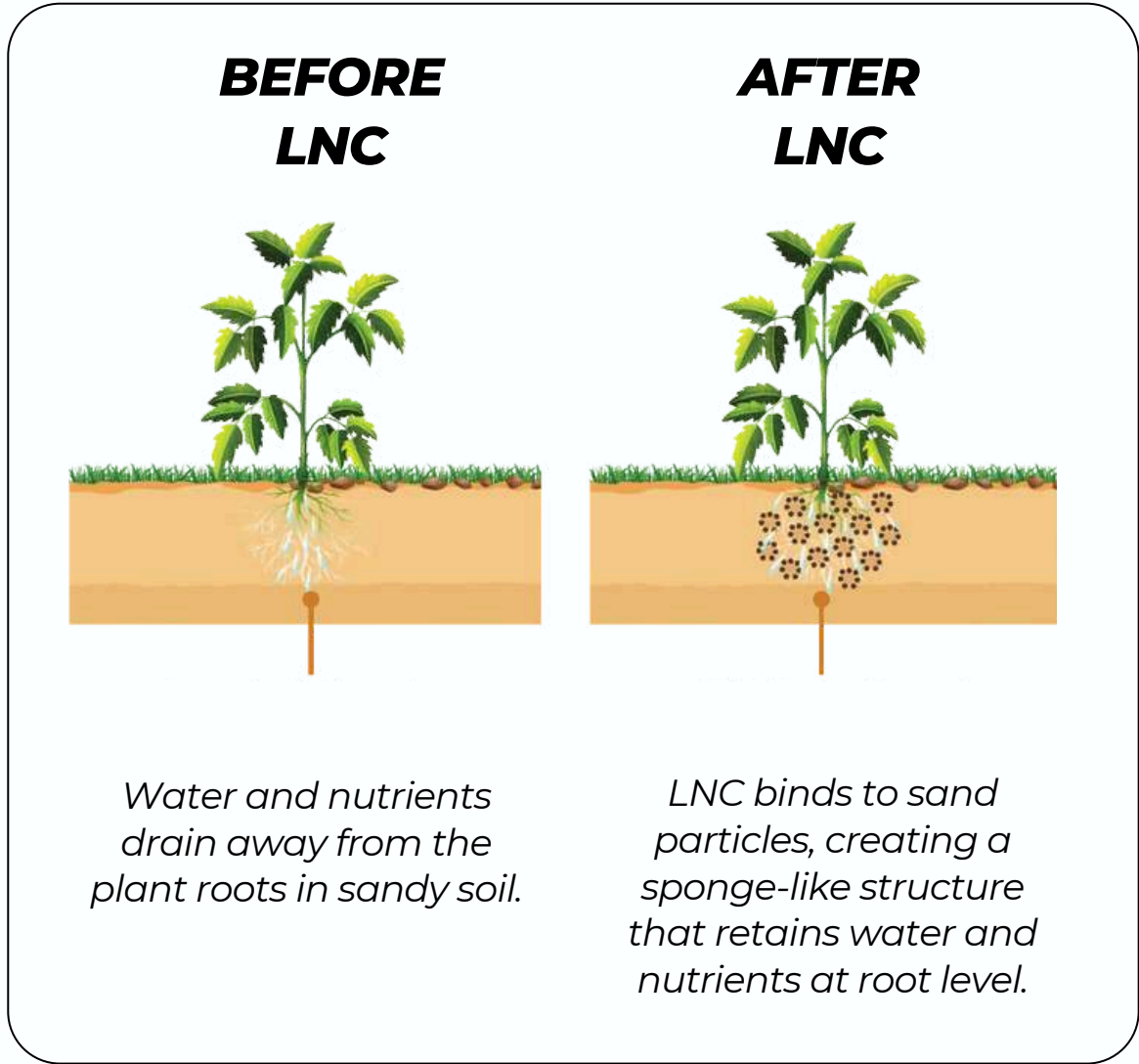
Mixing: LNC is prepared by mixing water with naturally occurring clay particles

Application: The liquid LNC is applied to the target area using conventional irrigation or spraying methods.



Transformation: Clay particles bind to sand grains, creating a sponge-like structure that retains water and nutrients.

Penetration: LNC seeps into the soil, reaching the root zone.



Results: Within 7 hours, the soil is transformed, ready to support healthy plant growth with reduced water requirements.

Why LNC is a Game-Changer



Water Savings

Reduce water usage by up to 50%, drastically cutting water costs and conserving this precious resource.



Yields & Energy

Reduce energy consumption by 15-25% by optimizing pumping requirements while increasing yield by up to 62%.



Fertilizer

Save 15-20% on fertilizer costs while maximizing nutrient efficiency.



Maintenance

Extend equipment lifespan and reduce maintenance costs by 10-20%, saving you time and money.



Sustainability Impact

Achieve 15-30% carbon footprint reduction through improved resource efficiency and soil health.



Long-Term Soil Health

One application lasts up to 5 years, enhancing soil fertility and resilience while reducing future construction and operational expenses by 15-20%.



Soyl

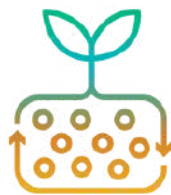
**Making Earth
Green Again**

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Savings potential varies by individual circumstances. Contact us for a personalized analysis.

Wide-ranging Uses

LNC is a versatile and efficient solution that can be adapted to various industries and applications, paving the way for a more sustainable and greener future.



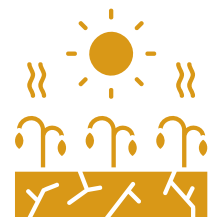
Agriculture & Forestry



Crop
Production



Soil
Reclamation



Drought
Mitigation



Reforestation
Support

Landscape & Communities



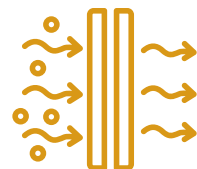
Urban
Greening



Sustainable
Landscaping

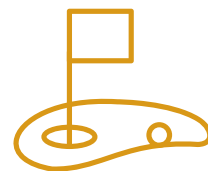


Water
Conservation



Dust
Control

Sports & Resorts



Golf
Courses



Sports
Fields



Resort
Landscaping



Water
Management

Global Support for LNC Technology

Liquid Natural Clay (LNC) is **recognized by global organizations** for its sustainability and innovation. Institutions like the Bill & Melinda Gates Foundation, World Economic Forum, and European Union support **its potential to tackle environmental challenges**. Collaborations with research centers, such as the University of Arizona and ICBA, validate its impact on agriculture, water conservation, and desert greening. Government bodies and sustainability leaders, including the Ministry of Climate Change & Environment and Masdar City, advocate for LNC as part of a greener future.

BILL & MELINDA
GATES foundation





Our Clients

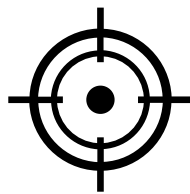
We've partnered with many organizations to solve their agricultural and landscaping challenges.



SUCCESS STORIES



Client: Masdar City, Abu Dhabi
Location: Pump Track Park, Abu Dhabi
Date: May 15, 2024



About the Project

Masdar City launched the region’s largest pump track, a 7,500 square meter facility for bicycles, scooters, skateboards, rollerblades, and wheelchairs. It includes three tracks totaling over 500 meters, catering to all skill levels and people of determination.




Project Scope

Masdar City has specified Nano Clay in all of their new and existing projects as a soil amendment to conserve water for all plants “Allow for "Nano Clay" or approved equal soil amendment”. This aligns with the water-wise approach of the Velosolutions pump track, which utilized recycled materials and LNC from Mawarid Desert Control.

THE RESULTS

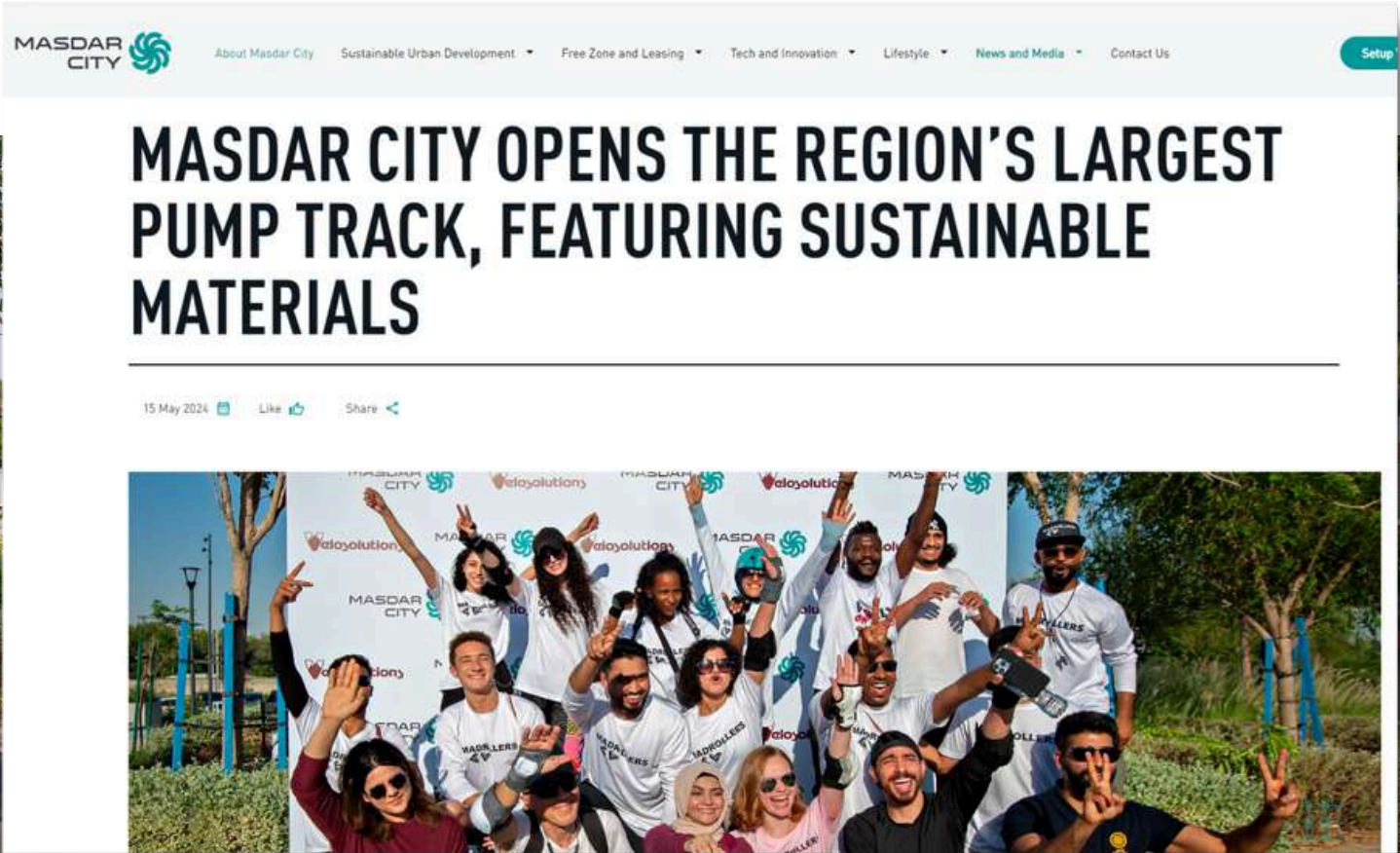
LNC was used in constructing the region's largest pump track. **An 7-month monitoring study with live soil moisture tracking showed an overall water savings average of 60%.** This project, highlighted by Masdar on several occasions, demonstrates LNC's effectiveness in large-scale applications and its significant water conservation potential.





Sebastien Miller
Design Manager at Masdar City
United Arab Emirates

Liquid Natural Clay has been instrumental in water conservation and maintaining our lush [Green Landscapes for Masdar City](#). The Pump Track Park led the way as an early adopter of LNC, addressing water savings in a traditional urban context and supporting the Federal agenda on water scarcity and security. Through a study of over 7 months, we observed water savings of up to 60% for trees during specific months of the year.



About Us



*At Soyl, we don't just work with soil—
we revolutionize it. Powered by Liquid
Natural Clay (LNC) technology, we
turn dry, barren land into fertile
grounds ready for growth. Cut water
usage in half, boost yields, and create
a sustainable ecosystem that lasts.*

***Making Earth
Green Again***



Powered by **Desert Control**

A MAWARID HOLDING COMPANY

Global Impact & Local Manufacturing



UAE-manufactured

LNC is locally manufactured by Soyl in the UAE with global implications, leading efforts to combat desertification and support water conservation globally



Local Commitment

The group's high ICV scores highlight LNC's local value to UAE's sustainability goals.

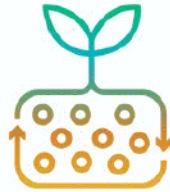


Global Reach

LNC is already transforming landscapes from the UAE to the U.S., proving its adaptability to different climates and industries.



Certifications



إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

شهادة تسجيل في ضريبة القيمة المضافة
VAT Registration Certificate

تؤكد الهيئة العامة للزكاة والدخل، بتاريخ 2020/06/17، أن صاحب الرقم الضريبي 354758375 قد سجل في ضريبة القيمة المضافة.

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is VAT registered on 17/06/2020.

اسم الملتحق: شركة ديزرنت كونترول
رقم التسجيل الضريبي: 35475837500003
تاريخ التسجيل: 2020/07/01
عنوان الملتحق: P.O. Box 114043, Musaffah, ICAD 1 - 2415-WH-02-26, Abu Dhabi, United Arab Emirates.

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

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IN-COUNTRY VALUE CERTIFICATE

Certificate ID: 126143
Issue Date: 06.08.2023
Valid Until: 24.09.2024

BARARI NATURAL RESOURCES L.L.C.

56.80%

Company General Information
License No.: CN-1136824
Company Type: Non SME in UAE
Financial Year End Date: 31.12.2022
Company based in: Within UAE
Company Business: SERVICE PROVIDER

For Cases of Re-Certification
Re-Certification (r) No.:
Reason for this Re-Certification:

Signed By: **Paeta Schwan**
Designation: **Group Chief Executive Officer**

Verified as per IOV Agreed Upon Procedures (AUP)
Official of Certification Body
Name: **Paeta Schwan**
Designation: **Group Chief Executive Officer**

Company: **Desire & Touche (M.E.)**

Certificate issued based on IOV Version 3.0

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

رخصة صناعية
Industrial License

License No: IN-2000357
Issued on: 26/06/2024
Valid Until: 26/06/2025

Company Name: **Desert Control Liquid Natural Clay Manufacturing - Sole Proprietorship L.L.C.**
Activity: **Liquid Natural Clay**

Issued By: **Ministry of Industry & Advanced Technology**

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

رخصة ممارسة النشاط الزراعي
Practice Agricultural Activity License

License Number: AGL-2023-14308
Verification Code: 899999
Valid Until: 26/06/2024

Company Name: **Desert Control Liquid Natural Clay Manufacturing - Sole Proprietorship L.L.C.**
Activity: **Liquid Natural Clay**

Issued By: **Ministry of Industry & Advanced Technology**

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

شهادة مطابقة
CERTIFICATE OF CONFORMITY

Certificate Number: 23-03-45863X23-03-067402MB0002
Registration Date: 16/03/2023
Valid Until: 15/03/2024

Issued To: **Desert Control Liquid Natural Clay Manufacturing - Sole Proprietorship L.L.C.**
Product Category: **Food**

Issued By: **Ministry of Industry & Advanced Technology**

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

جدول التسجيل
SCHEDULE OF CERTIFICATION

Company Name: **Desert Control Liquid Natural Clay Manufacturing - Sole Proprietorship L.L.C.**
Product Category: **Food**
Certificate No.: 23-03-45863X23-03-067402MB0002
Registration Date: 16/03/2023
Valid Until: 15/03/2024

Approved organic area: **NA**

Product Details: **Liquid Natural Clay LNC**

Country of Origin: **United Arab Emirates**

إمارة أبوظبي - دولة الإمارات العربية المتحدة
Ministry of Industry & Advanced Technology

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ملف تعريف شركة Soyl

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What we believe in

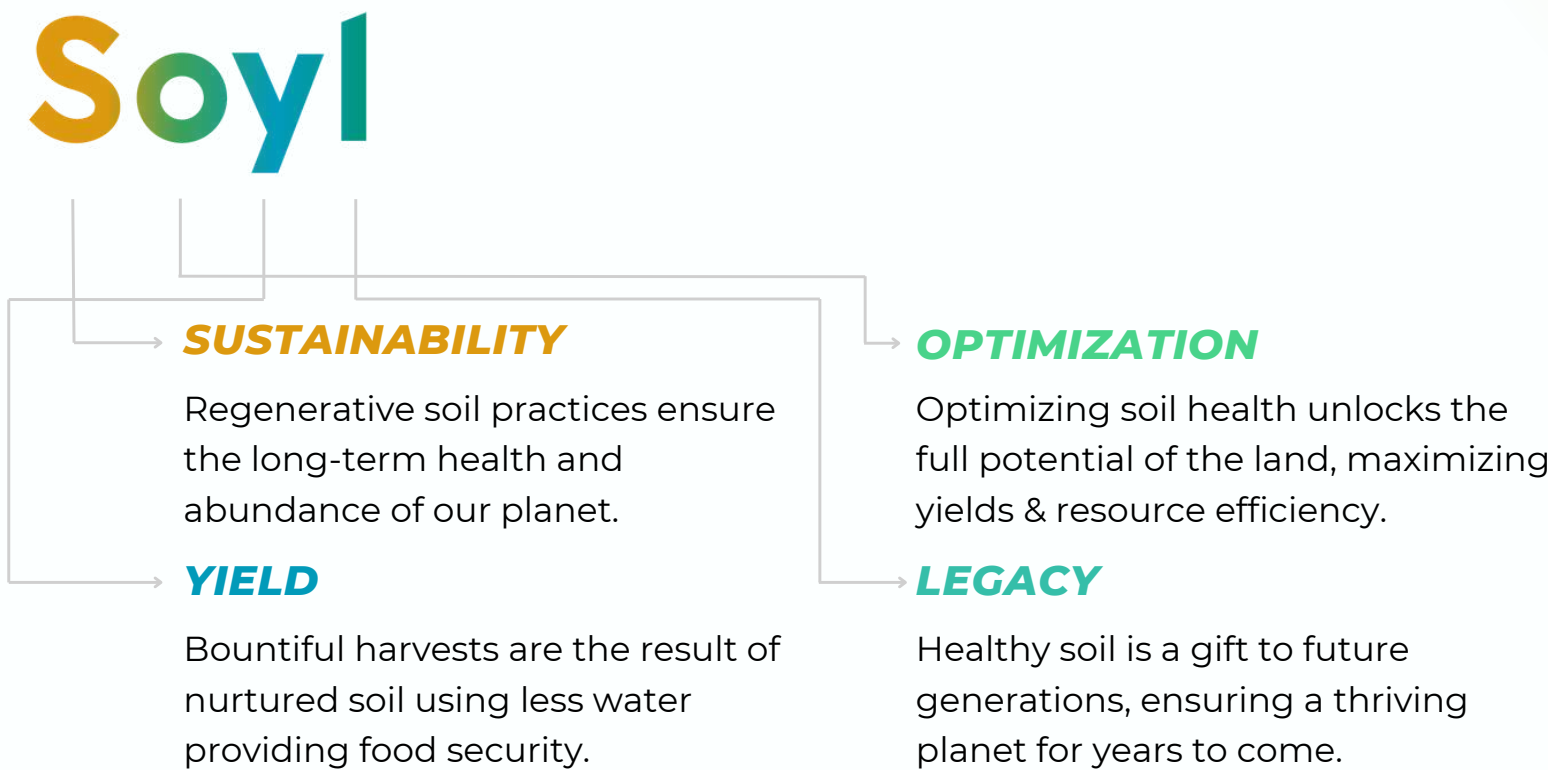


Healthy Soil: At the foundation of Soyl's innovation is Liquid Natural Clay (LNC), which transforms arid soils into fertile ground.

LNC: This technology ensures the soil retains water and nutrients, creating optimal conditions for plant growth.

Healthy Growth: The result is vibrant, sustainable plant life, enhancing agriculture and landscapes while conserving resources.

*Healthy, thriving soil is the foundation of a **sustainable future**.*



Reach out to us



Powered by **Desert Control**

www.soyl.ag

Soyl HQ

Nation Tower, Abu Dhabi, UAE

Email: info@soyl.ag

Phone: +97123015555

Mohaned Al-Sharif

Manager - Business Development

Email: mohaned.alsharif@soyl.ag

Mobile: +971553699717



موارد القابضة للإستثمار
MAWARID HOLDING INVESTMENT

A **Mawarid Holding** Company