



TX10 + MYCORRHIZA
5-2-8 WITH WETTING AGENT

TERRA LIFT

TX10 is a multi-source organic fertiliser consisting of 10 key components to soil fertility. The main constituents include our unique stable humus, seaweed extract, vegetable extract and proteins, which are all used to increase cation exchange capacity and better utilise applied nutrients without clogging pore spaces.

KEY BENEFITS:

- » Better sward density with less top-growth
- » Boost to Cation Exchange Capacity (CEC)
- » Reduce soil hydrophobicity
- » Mycorrhiza enhanced root-hair soil web

10 COMPONENTS TO SOIL FERTILITY:

- » 8% natural seaweed
- » Hydrolysed marine and animal proteins
- » 14% fatty acids and carbohydrate materials
- » Stable humus
- » Fermented plant extract
- » High in Mg, Mn and organic trace elements
- » Polymer web wetting agent
- » Mycorrhiza fungi

Humic Acids 4.2%

Fulvic Acids 5.6%

Amino/PGRs/Enzymes 1.5%

“

I have used TX10 over the past 7 years because it always gives me peace of mind, knowing that my greens will be in good condition with steady consistent growth and great sward density year round, especially at renovation times.”

Andrew Laing, Course Manager
Gaudet Luce & Little Lakes Golf Clubs

SUPERIOR PERFORMANCE

TX10 consistently out performs the competition in terms of slow even uptake of nutrients, no soft top growth, lasting colour and minimising disease outbreaks.



Grow-in trial: By week 7 of the grow-in trial, TX10 shows a superior % coverage and colour index.



Established green trial: 6 weeks from fertilising, the plug shows sward density and colour is well ahead on the TX10 treated half of the green.



TX10 provides me with excellent sward density, high wear tolerance and a regulated growth pattern.”

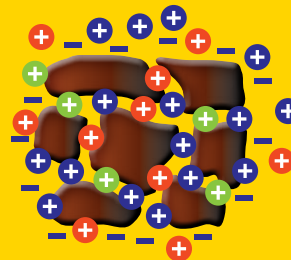
Sam Horner, Head Greenkeeper
Gloucester Golf Club

BOOST CEC

The application of TX10 granules can potentially increase root zone CEC by 393%. The stable humus content of TX10 is key to this ability and is enhanced by the actions triggered in the soil when TX10 granules ‘hit the ground’.

First, the stable humus content encourages microbial life to create more stable humus from both the granule content and sloughed-off roots and leaf tissue.

Second, the free-calcioms in TX10 open the soil to allow better air/moisture movement and even more active microbial breakdown of the organic matter to create humus thereby adding further to and extending the period of CEC. The CEC gain was calculated for the top 5cm of a sandy root zone with a CEC of 3.



Stable humus in TX10 increases Cation Exchange Capacity.

NOW WITH ADDED MYCORRHIZA

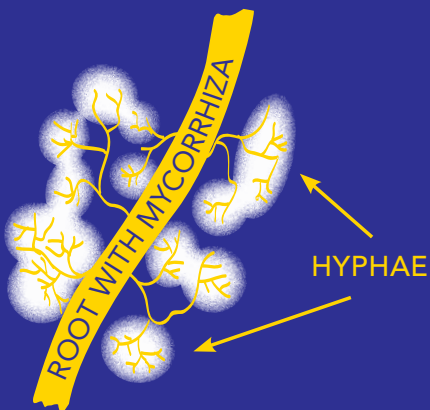
TX10 now includes mycorrhiza fungi (VAM) for:

- » 100+ increase in root absorption capacity
- » Improved drought and stress tolerance
- » Better defences to pathogenic fungi

Mycorrhiza are naturally occurring fungi that form a symbiotic relationship with grass roots. In exchange for carbohydrates these fungi extend the effective root area hundreds of times making phosphorus, nitrate and other essential nutrients available.

The fine filament network (called hyphae) that the mycorrhiza creates enables the grass to access water in pore spaces that it's own larger roots cannot access.

Mycorrhiza will also build natural disease defences for the root system by releasing chemicals that inhibit infection and form a protective layer on the outside of root cells.

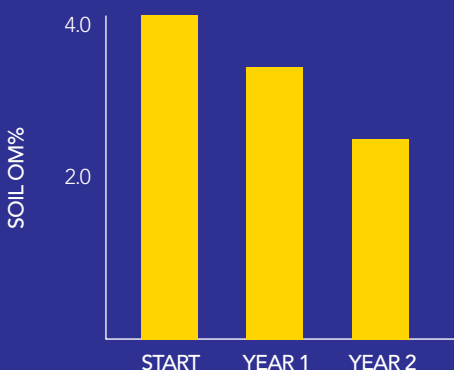


Mycorrhiza create a fine filament network (hyphae) which extends the area for roots to absorb nutrients and water from the soil.

NO CLOGGING OF SOIL PORE SPACES

Unlike regular organic fertilisers, TX10 has been shown to actually reduce soil organic matter.

This is due to the type and diversity of organic materials used, the proprietary composting process and resulting active organic content. All ensuring optimum soil solution solubility and the provision of a concentrated food source for organic matter breakdown microbes.



Organic matter reduction with TX10. Soil OM was measured in the top 3cm of the profile and readings reduced by 22%. Trial conducted over 2 seasons on 5 year old 70/30 sand greens.

APPLICATION GUIDE

TX10 is a mini-granule (1.2mm avg size) suitable for fine-turf and coarse grass areas.

1. SPRING AND AUTUMN RENOVATION

Apply at 30-50g/m²

- » Develop the root system
- » Reduce the hydrophobic nature of top-dressing sands
- » Improve recovery times following coring

2. LIGHT OVERLAY TO GRANULAR PROGRAM

Apply every 4-6 weeks at 15-25g/m²

- » Build soil fertility and CEC
- » High K supplement
- » Option to reduce main fertiliser application rate and wetting agent use

3. AUTUMN INTO WINTER FERTILISER

Apply 15-25g/m²

- » 1-2 applications to carry play through Winter
- » Denser sward and hardy grass cover



TECHNOLOGIES IN TX10



FOOD RESIDUE ORGANIC COMPLEX TECHNOLOGY

Involves the gathering of a selection of urban food residues, carrying all the constituents needed to maximize the production of amino acids, humate acids and plant growth regulators in a controlled composting process that fully bio-converts the organic matter with the minimum of inert fibre inclusion. FROC provides extended 'in soil' residency for plant available minerals, microbial foods to promote conversion of plant waste to useable nutrition and plant uptake supports to maximize plant health.

The resulting complex is food grade quality, pasteurised and steam sterilised to exceed minimum EU standards.

FROC has been proven to provide:

- » Extended maintenance quantities of Phosphate and Potassium
- » A stable humus and Ca lift to existing soil CEC to limit loss of applied nutrition

- » Essential levels of trace elements (Fe, Cu, Zn, Mn, Mo, B) along with ammoniac N
- » Complex natural acids (amino/humic/fulvic/salicylic) and phytohormones



NITROGEN AND ORGANIC FUSION GRANULATION TECHNOLOGY

The Terralift organic fusion process blends and successfully binds three nitrogen forms (nitrate, ammoniac and ureic) with organic NPK and trace elements plus added minerals for a controlled release of up to 10 weeks while the nutrient soil preservation properties of the organic complex limit leach or evaporation loss regardless of rainfall or dry conditions. NORF granules come as stable, homogenous, fine particles that spread evenly and disintegrate with moisture, such that the nitrate portion together with K and Mg ensure early colour without soft growth.

“

I have been using TX10 and Terralift products for 5 years and in that time my greens have held their colour better, particularly the sand greens. Consistent even growth without soft growth spikes has been much easier to achieve using Terralift. My members have noticed the difference and like it.”

Paul Walker
Head Greenkeeper
Wigan Golf Club

TERRALIFT

PERFORMANCE FERTILISERS

Terralift Ireland Ltd
18 The Grove,
Market Deeping
Peterborough,
PE6 8AW
United Kingdom

Tel: +44 (0)1778 380 005
Fax: +44 (0)1778 348 835
Email: info@terralift.eu
www.terralift.eu

[f/terralift](https://www.facebook.com/terralift) [@terralift](https://twitter.com/terralift)

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