



**TX10** + MYCORRHIZA  
5-2-8 WITH WETTING AGENT

**TERRA LIFT**



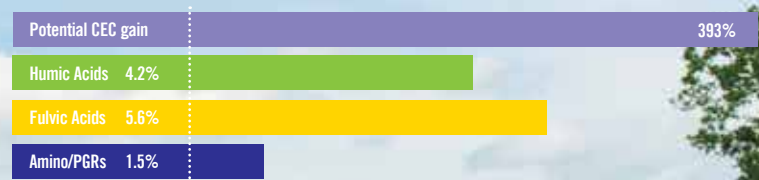
TX10 is a multi-source organic fertiliser consisting of 10 key components to soil fertility. The main constituents include stable humus, seaweed extract, vegetable extract, and proteins, which are all used to increase cation exchange capacity and better utilise applied nutrients without clogging pore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

#### KEY BENEFITS:

- » Better sward density with less top-growth
- » Boost to Cation Exchange Capacity (CEC)
- » Reduce soil hydrophobicity
- » Mycorrhizae 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
- » Mycorrhizae fungi



“

Our low CEC greens really thrive on TX10. We apply TX10 not just at renovation but regularly throughout the year for peace of mind that the greens will be in good condition with steady consistent growth and great sward density year round.”

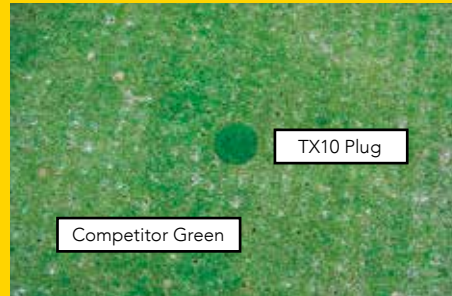
David Brushfeild, Course Superintendent / Nudgee Golf Club

## 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.



We apply TX10 monthly at 2kg/100m<sup>2</sup> and CEC has gone from almost zero to 1.9. I believe if we didn't have TX10 the greens would be struggling."

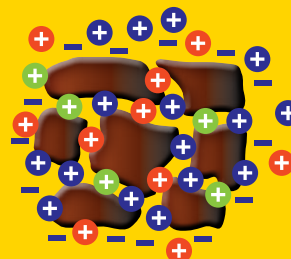
Jonathan Douglas, Course Superintendent  
Stonebridge Golf Club

## 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 MYCORRHIZAE

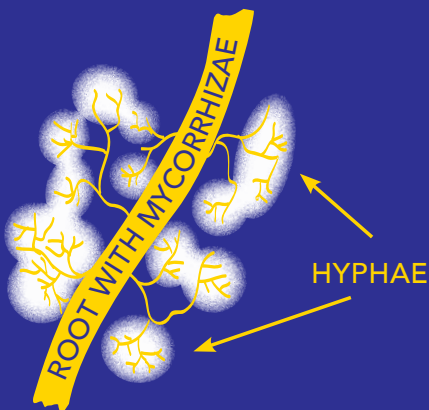
TX10 now includes mycorrhizae fungi (VAM) for:

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

Mycorrhizae 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 mycorrhizae creates enables the grass to access water in pore spaces that it's own larger roots cannot access.

Mycorrhizae 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.

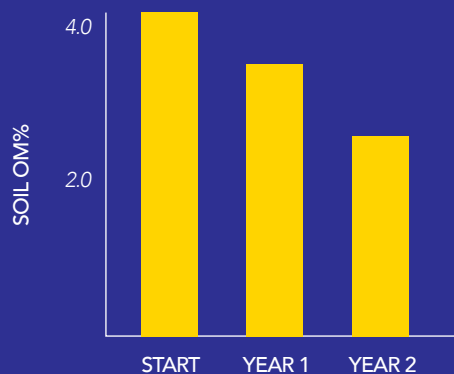


Mycorrhizae create a fine filament network (Hyphae) which extends the area for roots to absorb nutrients and water from the soil.

## 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.



I have been using TX10 for a number of seasons now during renovations and my greens always recover beautifully. The vigour and turf health is second to none when using TX10."

Chris Powley,  
Superintendent  
Wallacia Panthers Golf  
and Country Club.





## APPLICATION GUIDE

TX10 is a mini-granule (SGN100) suitable for fine-turf and coarse grass areas.

### 1. SPRING AND AUTUMN RENOVATION

**Apply at 3-5kg/100m<sup>2</sup>**

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

### 2. LIGHT OVERLAY TO GRANULAR PROGRAM

**Apply every 4-6 weeks at 1.5-2.5kg/100m<sup>2</sup>**

- » 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 1.5-2.5kg/100m<sup>2</sup>**

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



## TX10 TECHNOLOGIES



### TERRALIFT PROPRIETARY COMPOSTING TECHNOLOGY

**The foundation of TX10** is the organic complex, produced in a proprietary 3 stage composting process of ten different organic materials including selected manures, marine life, seaweeds, animal and vegetable proteins, humates, acids and carbohydrates. The Terralift composting system restricts nitrogen fixing bacteria levels to allow actinomycetes and mycerillum fungi to flourish for more plant growth regulators [PGR's] and better stable humus.



### 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. TX10 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 used TX10 on a regular basis for many years on my sand based greens. The fact that it has ten different organic materials means that I can supply my full nutritional requirements in one easy application. This has enabled us to sustain healthy greens all year round.”

Greg Marshall, Golf Course Superintendent  
Cronulla Golf Club



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