



OxyTurf for Sports Turf Management

Product Features:

- Improvement in soil oxygenation and percolation
- Reduction in the black layer, thatch and compaction
- Improved rhizosphere biological activity and interbacterial communication
- Improved nutrient uptake and sward vigour
- Increased root volume (mass and length)
- Improves induced systemic resistance (ISR) and systemic acquired resistance (SAR)

“After using OxyTurf for the past 12 months in our mature *Paspalum* greens, we have seen a notable reduction in Nitrogen and fungicide requirements whilst also creating a healthier root system with firmer playing surfaces.

The Shek O Country Club, Hong Kong
Ross Grieve | Golf Course Manager

What makes OxyTurf different?

OxyTurf provides the soil with slow-release oxygen and activated aerobic microbes. Based on a patented formula of extracts from a special blend of naturally occurring plants, OxyTurf stimulates microbial digestive activity, resulting in the reduction of organic build-up and thatch beneath the surface layer.

In the Rhizosphere the beneficial exchange of exudates (sugars) from the turf roots for trace elements and amino acids from the microbial biomass develops a symbiotic

relationship that when supported and cultivated by OxyTurf improves induced systemic resistance (ISR) and systemic acquired resistance (SAR).

OxyTurf enables nutrients, additives and fertilizers to penetrate the soil profile homogeneously, and are taken up by the root system more efficiently. OxyTurf provides stronger rooting increasing in volume and mass, providing a better playing surface.

From the Laboratory

When OxyTurf is applied to the soil substrate a slow, catalase-like emission of oxygen is observed. Activity is enhanced in areas of increased bacterial activity, and in soil with neutral, rather than acidic, pH levels. Most oxygen is produced enzymatically rather than by chemical disproportionation of superoxide, and a clear correlation exists between catalase activity and enzymatic resistance. The production and activation of critical metabolic enzymes are also observed.

OxyTurf and the stimulated microbes break down organic material (carbon-based compounds) in the soil profile, releasing CO₂ and opening up pore spaces in

the soil. This improves infiltration and permeability, allowing more air (O₂) to penetrate the soil. These improved aerobic conditions, aided by nitrogen supplied by the recycling of microbial populations, stimulate turf growth.

The composition includes extracts from a variety of non-genetically modified plants. The process of extraction is mechanical, using low heating. No toxicity observed in tests, namely Zucchini Germination Index 100% @ 1:24 H₂O dilution; Inhibitor materials <2.00 equitox/m³ Bioluminescence inhib./C5110184 (non-detectable) @ 1:24 H₂O dilution.

OxyTurf. Liquid soil aeration and positive microbial activation.

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OxyTurf Trials:

CONTROL

TREATED
WITH OXYTURF

Turf recovery rate 1 week after Hollow Tining

Turf recovery rate 3 weeks after Hollow Tining



SITE A:
Before (left) and
2 months after (right)

SITE B:
Root length before (left) and
2 months after (right)



SITE C:
Before (left) and
2 months after (right)



Instructions for use:

Turf:

Apply 20L OxyTurf per hectare of turf using a dilution in water between 1:20 (20L per 400L dilution) and 1:60. Apply once per month for standard maintenance and bi-weekly for faster results. For problematic turf with unwanted anaerobic conditions, reduce dilution to 1:10 and apply only to the concerned area weekly.

Hydroponics:

Apply to reticulation system – for fast results 1L OxyTurf to 80m³ water (12.5ppm) and for maintenance 1L OxyTurf to 200m³ of water (5ppm).



OxyTurf™ is the perfect tool in a Turfgrass Manager's arsenal to combat anaerobic soil conditions and reduce the effect of existing problems associated with a poor conditioned soil such as black layer, algae, moss thinned or stressed turf. For a healthier better turf, I recommend OxyTurf™

BoschenMeer Golf Estate

John Peach | Course Manager &
Chairman of the Turfgrass Managers Association of South Africa



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Approved for use in organic systems in accordance with EC regulation 834/2007 and 889/2008 by Kiwa Sativa and Organic Farmers & Growers.

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