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)

> *OxyTurf offered us very positive results with a visible reduction in thatch and black layer recorded over two months.*

Oitavos Golf Course Portugal
João Nunes | Head Greenkeeper

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 CO_2 and opening up pore spaces in the soil. This improves infiltration and permeability, allowing more air (O_2) 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 Zucconi Germination Index 100% @ 1:24 H_2O dilution; Inhibitor materials <2.00 equitox/m³ Bioluminescence inhib./C5110184 (non-detectable) @ 1:24 H_2O dilution.

OxyTurf. Liquid soil aeration and positive microbial activation.

OxyTurf Trials:

> *We have a very hard stadium with high moisture levels. I've used OxyTurf for over a year now to help keep the soil dry and bring the disease pressure down. I see good results, good grass governance and the pitch is getting better. It fits nicely in our green products program.*

Johan Cruiijf Arena Amsterdam
Paul Baas | De Enk Fieldmanager

SITE A:
Before (left), 6 weeks (middle) and 3 months after (right)

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

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

> 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

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.

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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.