



# OceanGlas



## Greentech Sportsturf



### HIGH QUALITY COLD PROCESS Liquid Ascophyllum Nodosum - Seaweed/Kelp Extract

100% derived from fresh *Ascophyllum nodosum*

*Turf grass application rate: 20L per Ha | Ha = 10,000m<sup>2</sup>*  
*Water rates: 300-400L per Ha*



# Ocean KNOWLEDGE

Understanding the gifts of the sea to enhance nature

## A 100% pure extract

Ocean Knowledge has developed a unique way of bursting the cells without using any chemicals or high heat. This system was carefully designed in-house to obtain the freshest and purest extract from hand harvested *Ascophyllum nodosum* possible. Its a cold process extraction technique which helps retain the products natural properties and ensures that it is 100% soluble.



## A culture of seaweed

Seaweed / Kelps have been used for centuries by coastal farmers to cultivate and protect their land. From the origin of the sport, golf course superintendents have also enhanced the quality of their turf using seaweeds. The benefits of seaweed as a nutritional additive have been extensively tested and are well established even though many researchers are still looking at all the mechanisms of action involved in it.

## Benefits naturally found in OceanGlas

OceanGlas thus contains all the natural key compounds found naturally within fresh *Ascophyllum nodosum* that are beneficial to turf grass and soil

- Polysaccharides: Alginates, Fucoidans and Laminarans.
- Amino acids, Vitamins, antioxidants that help the plant in its basic physiology mainly to fight against oxidative stresses induced by osmosis or parasites.
- Natural Micro & Macro nutrients: a wide panel of more than 60 elements.
- Polyphenols, also antioxidants, help the plant during oxidative stress in coping with free radicals generated during abiotic and biotic stresses.
- Increases efficiency of other tank mixed products.
- OceanGlas pH 4.2 - 4.6

Foliar absorption

Soil absorption

Macroelement, K

Micronutrients & trace elements:  
B, Cu, Fe, Mn, Mo, Zn, Ni, Co

Amino Acids: building blocks

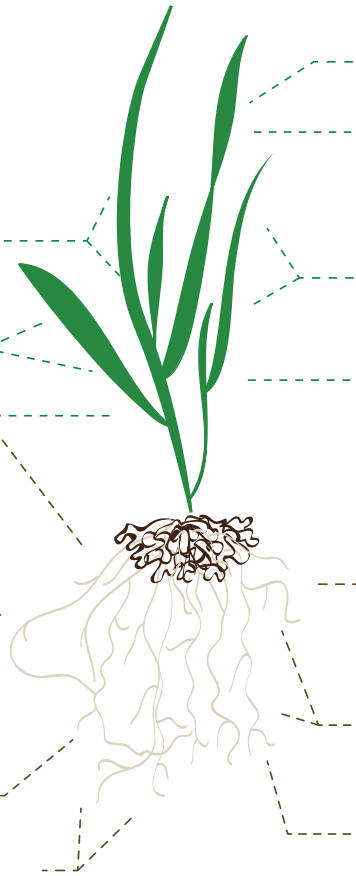
Fucoidans and Laminarans are improving the plant defense

Macroelements: Ca, Mg, S, Na, Cl

Antioxidants & Polyphenols play an important role in the Nitrogen cycle

Benefit nutrients uptake

Improve soil structure, slow releasing Carbohydrates [Alginates]



Vitamin A, C & E: helps plant fight against stress

Mannitol: reduces plant stress, caused by drought, frost, salt, poor air movement, lack of light or traffic

Improve consistency of colour in turf grass

Increase plant strength

Increase CEC (Cation Exchange Capacity): Influences the soil's ability to hold onto nutrients and provides a buffer against soil acidification.

Improve microbial life within the soil profile while reducing symptoms of Nematode Stress

Enhances water retention around root zone

Increased root development