



High quality cold process  
Liquid Seaweed / Kelp Extracts

**Seaweed / Kelps** have been used for centuries by coastal farmers to cultivate and protect their land. From the origin of sport, golf course superintendents have also enhanced the quality of their turf using seaweeds.

### Technical Specifications

→ Potassium (K):	2.4% w/w
→ Nitrogen (N):	1% w/w
→ Phosphorus (P):	0.15% w/w
→ Sulphur (S):	1.6% w/w
→ Magnesium (Mg):	0.65% w/w
→ Calcium (Ca):	0.42% w/w

### Presentation

Soluble liquid (SL)

### Application Rates

#### OCEANGLAS

20l - 30l per Ha

4oz - 8oz per 1,000 sq feet

The benefits of seaweed as a nutritional additive have been extensively tested and are well established. We have developed a unique method of bursting the seaweed/kelp cells without using chemicals or high heat. This system was carefully designed in-house to obtain the freshest and purest extract derived from hand harvested *Ascophyllum nodosum*. This technique enables OceanGlas to retain as much as possible the bioactive molecules naturally present within *Ascophyllum nodosum*, we call it Gentle Extraction.

### Key Benefits

OceanGlas has excellent bio stimulating effects on general plant health through a broad range of active ingredients. Its special composition enhances:

- Plant establishment
- Root growth & formation of adventitious roots
- Uptake of essential nutrients
- Vigour & shoot growth
- OceanGlas improves plant adaptation and overcomes salinity stress and other environmental stress conditions. The main actions triggered in turf are:
  - Environmental stress alleviation (drought, freezing...) through osmoprotectors
  - Detoxification of oxidative stress via antioxidants (polyphenols, vitamins & pigments)
  - OceanGlas pH range: 4.2 - 4.6



### Recomended Usage

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Call your area representative for the application rate for any of the products in this brochure as they depend on many factors including species of grass, climate, soil/sand etc.



# OceanGlas

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 Nitrogen cycle  
 Benefit other nutrients uptake

Improve soil structure, slow releasing  
 Carbohydrate (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 soil  
 profile, therefore, reduce the  
 symptoms of Nematode Stress

Enhances water retention  
 around root zone

Increase root development

## Soil Microbial Life management

By increasing application rates of OceanGlas, this in turn improves the soil microbial life; application of OceanGlas Granular directly mixed into the soil also increases soil microbial life.

