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Amenity Product Catalogue

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High quality cold process

## Liquid Seaweed / Kelp Extracts

BIOSTIMULANTS

Seaweed / Kelps have been used for centuries by coastal farmers to cultivate and protect their land. From the origin sport playing field, 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. OGT has developed a unique method of bursting the seaweed/kelp cells without using chemicals or high heat, but a pressure system to keep the extract as close to its natural properties as possible as well as 100% soluble. This system was carefully designed in-house to obtain the freshest and purest extract derived from hand harvested *Ascophyllum nodosum*. This technique enables OGT to retain as much as possible the bioactive molecules naturally present within *Ascophyllum nodosum*, we call it Gentle Extraction.

### Key Benefits

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

- Plant establishment
- Increase root development
- Uptake of essential nutrients
- Improves soil structure & shoot growth
- algaeGreen improves plant adaptation and overcomes salinity stress and other environmental stress conditions
- Environmental stress alleviation (drought, freezing...) through osmoprotectors
- Detoxification of oxidative stress via antioxidants (polyphenols, vitamins & pigments)
- algaeGreen pH range: 4.2 - 4.6

### Technical Specifications

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

### Presentation

Soluble liquid (SL)

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.





## Organic nitrogen solution of grass after abiotic stress

Amino turf is a liquid nitrogen fertiliser designed for the nitrogen nutrition of plants, particularly in the case of abiotic stress. Amino Turf contains a high concentration of free amino acids that play a role in the stress metabolism of the plant. An efficient anti-stress bio-stimulant, containing the maximum concentration of free amino acids and enhanced with nitrogen for faster and more efficient recovery of grass after abiotic stress. Amino Turf helps the grass conserve energy otherwise used for the production of L-amino acids. It stimulates soil microbial production of organic acids, providing further support for the requirements of the turf.

### Key Benefits

- Faster and more efficient recovery from stress.
- Strengthens and improves recovery from adverse climatic conditions.
- Invigorating and stimulating effect.
- Formulated with organic biomolecules of a natural origin.
- Essential energy saving during critical periods of growth
- Faster and more efficient recovery from stress, hydric or heat stress, action of the wind, sudden changes in temperature, etc.
- Amino turf penetrates easily through the leaves and is directly usable by the plants in the synthesis process of proteins.
- Amino turf quickly promotes plant growth and development at any stage of the development cycle.

### Technical Specifications

Total organic nitrogen 9% w/w  
10.8% w/v or 108 g/litre  
Amino Acid 24%  
100% soluble in water

### Presentation

Soluble liquid (SL)

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.

# alfa Root WG

Ocean  
Humistem<sup>SG</sup>

**HUMICS**

NPK compound fertiliser containing organic matter  
**of grass after abiotic stress.**

Alfa root WG is a root stimulant and bio-nutrient that is easily and rapidly assimilated by the plant. Highly concentrated PK, humic acids, amino acids and microelements facilitate the availability of nutrients by the turf and increase the overall characteristics of the soil.

## Key Benefits

- Promotes primary roots and secondary roots development during the initial stages.
- Efficient anti-stress effect in adverse climatic situations (hydric or thermal stress, transplanting etc.).
- Growth stimulating effect during the initial stages.
- Improves water retention and the physical characteristics of the soil (better soil oxygenation and aeration, drainage, aggregates formation).
- Improves fertiliser use enhancing chemical characteristics ( better cation exchange capacity, better nutrients availability and root uptake).
- Biological improvement (microbial life, promotion of cell division).

## Technical Specifications

Total humic extract:	29.10% w/w
Humic acids:	14% w/w
Fulvic acids:	15.1% w/w
Free amino acids:	22.2% w/w
Organic nitrogen (N):	3% w/w
Phosphorus (P2O5) soluble in water:	16.4% w/w
Potassium (K2O) soluble:	18% w/w
Iron (Fe) Soluble in water and chelated by EDDHA:	0.1% w/w
Manganese (Mn) soluble in water and chelated by EDTA:	0.2% w/w
Zinc (Zn) soluble in water and chelated by EDTA:	0.2% w/w
Molybdenum (Mo) soluble in water:	0.25% w/w

## Presentation

Soluble micro-granules (WG)

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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.





Humic amendment. Liquid humic acids  
**derived from American Leonardite**

Ithir is a natural humic soil conditioner, based on humic and fulvic acids, soluble in water and obtained from American Leonardite. Ithir is presented in the form of a soluble liquid (SL) and the use of the product allows the medium (soil/sand) in which the turf grass is grown in to be improved and transformed thus facilitating the availability and assimilation of the nutrients by the turf grass and improving the physical, chemical and biological characteristics of the soil/sand.

### Key Benefits

- Enhanced soil/sand aeration and reduced soil compaction.
- Increased water retention capacity, thus efficient response to hydric stress.
- Formation and development of improved root system.
- Improves the fertility of the soil/sand.
- Physical characteristics (Structure).
- Chemical characteristics (nutrients uptake).
- Biological characteristics (microbial life) of the soil/sand.
- Resistance to erosion.
- Reduced nutrients' leaching.
- Extracted from American Leonardite, guaranteeing the maximum concentration and ratio of humic / fulvic acids.

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.

### Technical Specifications

Total humic extract:	15% w/w (16.5% w/v)
Humic acids:	12% w/w (13.2% w/v)
Fulvic acids:	3% w/w (3.3% w/v)

### Presentation

Soluble liquid (SL)





Humic amendment enriched with Si  
**For natural disease tolerance**

ithir Si is a natural humic acid fertiliser extracted from American Leonardite and enriched with highly soluble organic silicon. Ithir Si is compatible with the majority of fertilisers and agrochemical products normally used, except mineral oils, calcium nitrate, acid reaction products and herbicides that are not compatible with organic material.

### Key Benefits

- Increase in wear tolerance.
- Improves water management.
- Uniform cutting height.
- Stands up grass to aid removal of Poa Annua seed heads when mowing.
- Increased cell wall strength.
- Strengthen the cell wall and give a more dense plant - turf.

### Technical Specifications

Humic acids:	4.6% w/w (5.6% w/v)
Fulvic acids:	1.15% w/w (1.4% w/v)
Silicon (SiO <sub>2</sub> ):	8.5% w/w (10.4% w/v)
Potassium (K <sub>2</sub> O) soluble in water:	(10.20% w/w (12.4% w/v)

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### Presentation

Soluble liquid (SL)



Soil conditioner and root enhancer  
**anti stress and root stimulation**

alfa Root is a high concentrated PK, microelements, humic acids and amino acids, for better root growing and development, along with a balanced nutrition.

### Key Benefits

- Growth stimulating effect during the initial stages and the critical periods of the turf grass.
- Efficient anti-stress effect in adverse climatic situations, e.g. drought or thermal stress.
- Improves fertilizers use enhancing chemical characteristics of the soil: better Cation Exchange Capacity, better nutrients availability and root update.
- Corrects micronutrient starvation.

### Technical Specifications

Total humic extract:	7.2% w/w (7.9% w/v)
Humic acids:	5.8% w/w (6.3% w/v)
Fulvic acids:	1.4% w/w (1.6% w/v)
Free amino acids:	3.5% w/w (3.9% w/v)
Total nitrogen (N):	2.7% w/w (2.9% w/v)
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) soluble in water	2.8% w/w (3.1% w/v)
Potassium (K <sub>2</sub> O) soluble in water	4.7% w/w (5.1% w/v)
Manganese (Mn) soluble in water and chelated by EDTA:	0.10% w/w (0.11% w/v)
Iron (Fe) soluble in water and chelated by EDDHA:	0.017% w/w (0.02% w/v)
Zinc (Zn) soluble in water and chelated by EDTA:	0.05% w/w (0.06% w/v)
Molybdenum (MO) soluble in water:	0.05% w/w (0.06% w/v)

### Presentation

Soluble liquid (SL)

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.







Concentrated solution of Magnesium nitrate,

**Formulated to prevent and correct Magnesium deficiency**

The association of Magnesium with nitrate improves the assimilation and the mobility of Magnesium in the plant. Magnesium (Mg) through its position in the heart of the chlorophyll molecule, is an essential element of the photosynthesis process and its efficacy. Photosynthesis is the driving force of any plant. It ensures growth, development and reproduction of the plant. Maglas is formulated to prevent and correct Magnesium deficiency which appear mainly in moist and cold periods with low light conditions. Magnesium deficiency results in a yellowing of the foliage and lower photosynthetic performance.

### Key Benefits

- Maximum speed and great efficiency correcting deficiencies and imbalances in magnesium assimilation.
- Special formulation of Tradecorp to favour magnesium leaf uptake and magnesium transport inside the plant.
- Contains nitrates that enhance the penetration and use of magnesium.
- Stimulation of chlorophyll production and optimum photosynthetic activity.
- Efficiently prevents magnesium deficiencies in crops guaranteeing better quality (protein synthesis and sugar formation) and yield of the harvests.
- Contains boron, molybdenum and EDTA chelated iron, manganese and zinc to boost metabolic processes in plants.
- Compatible with calcium nitrate.

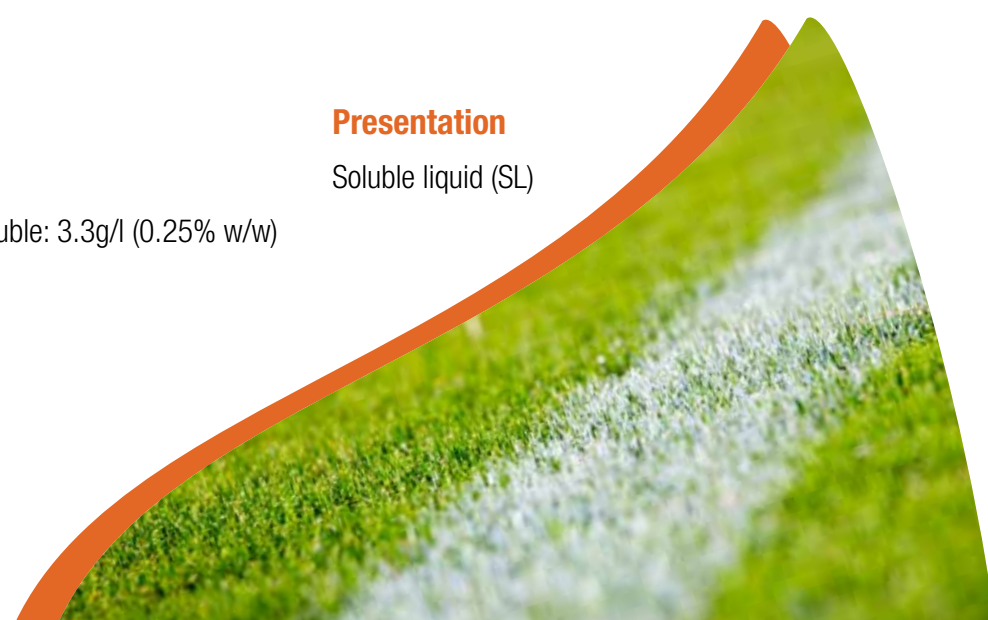
### Technical Specifications

Magnesium (MgO), water soluble:	130g/l (10% w/w)
Total nitrogen (N), 100% in nitrate form (NO <sub>3</sub> ):	91g/l (7% w/w)
Iron (Fe), chelated by EDTA, water soluble:	0.65g/l (0.05% w/w)
Manganese (Mn), chelated by EDTA, water soluble:	0.65g/l (0.05% w/w)
Zinc (Zn), chelated by EDTA, water soluble:	0.26 g/l (0.02% w/w)
Molybdenum (Mo) water soluble:	0.013 g/l (0.001% w/w)

### Presentation

Soluble liquid (SL)

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.





Synergic action  
**for strong and healthy turf**

Trá Sys is a special solution based on Phosphorus (P), Potassium (K), Magnesium (Mg), Calcium (Ca) and Silicon (Si) and that provides a balanced nutrition especially preparing turf to mechanical pressure (regular mowing, aeration, tournaments). Trá Sys provides a fast scorching recovery and improve leaf strength for a healthier plant. Trá Sys is fully soluble in water and easily assimilated by turf by foliar application.

### Key Benefits

- Efficient foliar uptake due to the micronutrient carrier effect of silicon and potassium phosphite.
- Improved internal nutrient transport and fast nutrient assimilation.
- Phosphorus in phosphite form allows the simultaneous penetration of the other nutrients.
- Stimulation of formation and development of the root system.
- The presence of phosphorus enhances the transport of nutrients inside the plant.
- Excellent environmental stress tolerance due to the stimulation of antioxidant production.
- Thanks to silicon and calcium, it strengthens cells walls' turgidity and the cuticular barrier of the leaves are reinforced. Enhancing thus the vertical position of turf leaves.
- Calcium has an important role in the cell wall structure. It reduces the damage due to mowing and it gives greater density of turf.

### Technical Specifications

Phosphorus soluble in water:	40.6% w/v (29% w/w) = 406 g/l (29,0% p/p)
Potassium (k20) soluble in water:	27.2% w/v (19.4% w/w) = 272 g/l (19,4,0% p/p)
Magnesium (MgO) soluble in water and chelated by EDTA:	0.21% w/v (0.15% w/w) = 2,1 g/l 0,15% p/p)
Calcium (CaO) soluble in water and chelated by EDTA:	0.21% w/v (0.15% w/w) = 2,1 g/l 0,15% p/p)
Silicon (SiO2) soluble in water:	0.21% w/v (0.15% w/w) = 2,1 g/l 0,15% p/p)

### Presentation

Soluble liquid (SL)



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## FOLIAR FERTILISERS

Exclusive Nitrogen Solution

**In ureic form with minimum biuret content**

Foleasa N is a special liquid fertilizer in ureic form, containing minimum biuret contents ( $< 0.05\%$  w/w), particularly recommended for foliar application and indicated for preventing and correcting deficiencies and imbalances in Nitrogen assimilation. Foleasa N stands out due to the high Nitrogen concentration, 100% in ureic form; minimum biuret contents and absence of ammonia ( $\text{NH}_3$ ), Nitrates ( $\text{NO}_3^-$ ) and impurities.

### Key Benefits

- Greater efficiency at lower doses, due to the quick absorption and the immediate response that causes in the turf.
- Maximum safety in foliar applications, not causing any phytotoxicity problems due to the absence of biuret.
- Efficient and fast nitrogen solution in different situations (abiotic stress, etc.) boosting photosynthetic activity.
- Easy and convenient to handle since it is a buffered solution with pH colour indicator.

### Technical Specifications

Total Nitrogen:	20% w/w (22% w/v)
Ureic Nitrogen:	20% w/w (22% w/v)
Biuret	$< 0.05\%$ w/w ( $< 0.06\%$ w/v)

### Presentation

Soluble liquid (SL)

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.





## FOLIAR FERTILISERS

Concentrated liquid foliar fertiliser that is Potassium based

**Prevents and treats Potassium deficiency in Turf**

Ultimo K is a product highly concentrated in Potassium. In the heart of the cells, Potassium plays a part in transformation of nitrates into proteins. It allows the plant to store the correct concentration of nitrates, which produces sturdy growth. Potassium reduces the sensitivity of plants to water stress and lodging. It also stimulates the photosynthesis, the production, translocation and storage of sugars to the root.

### Key Benefits

- Designed to avoid antagonism with  $\text{Ca}^{++}$  and  $\text{Mg}^{++}$  ions present in hard water.
- Hard water strongly decreases the effectiveness of potassium fertilisers.
- Foliar penetration is particularly effective in dry periods with low relative humidity in the air.
- Helps the functioning of the stomata.
- Immediate response of foliar application.
- Ultimo K penetrates easily through the leaves and is directly usable by the plants in the synthesis process.
- Safe to use as it is free of Chlorine, Sulphur and Nitric and Ammoniacal Nitrogen.

### Technical Specifications

Potassium (K <sub>2</sub> O)	462 g/l (31 % w/w)
Total Nitrogen (N) in ureic form	45 g/l (3% w/w)
100% soluble in water	

### Presentation

Soluble liquid (SL)

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.





## Soluble Iron (Fe) Chelate to enhance chlorophyll production

Fotái Fe is an EDTA chelated Iron. A very stable and soluble powder, when applied in correct pH conditions, will prevent chlorophyll reduction and in turn will give a more consistent colour of turf.

### Key Benefits

- The technology we develop in the manufacture of Fotái Fe, ensures maximum protection of the chelated Iron.
- Iron richness guaranteed.
- Chelating agent quality guaranteed.
- Fotái Fe is easily uptaken by the plant due to the organic structure of the chelating agent.
- No problems of phytotoxicity, burns or damage to the root system or the leaf surface.

### Technical Specifications

Iron (Fe) chelated with EDTA and soluble in water:	13.2% w/w
Chelating agent:	EDTA
Stable pH range of the chelated fraction:	4-7

### Presentation

Soluble powder (WP)

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.





A stable solution to prevent  
**and correct Iron chlorosis**

Iron EDDHA chelate, in the form of soluble micro-granules (WG), indicated for the prevention and correction of iron chlorosis under all manner of conditions, including calcareous and alkaline soils. Iron deficiency symptom is a yellowing of the leaves.

### Key Benefits

- Neart Fe has a guaranteed chelation grade and quality, ensuring consistent performance.
- Stability in a wide range of pH, maximum stability in all types of conditions and soils.
- Fast acting and prolonged persistence due to the optimum balance between the ortho-ortho and ortho-para isomers.
- Total and instantaneous solubility without forming lumps or sediments, keeping the tanks clean.
- The presentation in the form of soluble micro-granules (WG) provides greater ease and convenience in the handling of the product.

### Technical Specifications

Iron (Fe) soluble in water and chelated by EDDHA:	6% w/w
Iron (Fe) chelated by EDDHA in ortho-ortho position:	4.2% w/w
EDDHA pH stability range:	3-11

### Presentation

Soluble micro-granules (WG)

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.



## Acidifying Nitrogen solution to improve water quality

Uise Plus is a water pH regulator recommended to improve performances of the tank mixes resulting from the use of agrochemical products including fungicides and foliar fertilizers. Uise Plus increases the efficiency of foliar application neutralizing bicarbonates, calcium and magnesium ions. It is recommended for the most difficult conditions: Hard, dirty, alkaline water (over pH 7.5) with high content of bicarbonates etc. Water correction with Uise Plus will also enable to unlock many nutrients naturally bound into the soil root zone.

### Key Benefits

- Uise Plus reduces and buffers the pH of the spray solution. With most agrochemicals, the optimum pH level of the spray mixture is between 5 and 6.
- Uise Plus increases the efficiency of foliar application neutralizing bicarbonates.
- Uise Plus ensures that your active substances will bring maximum efficiency and homogeneity.
- Fertiliser for turf: Efficient source of ureic nitrogen and sulphur.
- Improvement of cultivated soils, as it reduces the problems associated with the salinity and compacting of sandy soils.
- Oxygenates soil profile to help reduce black layer.
- Uise Plus protects pesticides from deactivation by hard water cations or extreme high pH conditions.
- Greater safety in handling in comparison with other conventional acids.
- Top un-blocker and clearing formula for drippers and irrigation systems.

### Technical Specifications

Total Nitrogen (N):	15% w/w (22.5% w/v)
Ureic Nitrogen (N):	15% w/w (22.5% w/v)
Sulphur (S03) soluble in water:	40% w/w (60% w/v)

### Presentation

Soluble liquid (SL)  
pH < 1

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