TERRALIFT
PERFORMANCE FERTILISERS

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Made of more.

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Your local distributor of Terralift products is:

PLANTMAX
SOILMAX

FOR PLANT GROWTH REGULATION AND IMMUNE SYSTEM ELEVATION

Sports-turf grass -particularly when grown in a limited N P K environment, will respond to combinations of Oligosaccharides, Amino Acids, Humic acids and Phytohormones – with slow even growth, increased tillering, sward density, disease resistance and durability under close mowing
This combination is the key to the organic complex that is Terralift compost

Separately Terralift produce 2 microbially refined concentrates specifically for plant stress management and enhanced nutrient uptake

PLANTMAX AMINO

Plantmax is a 21% amino acid concentrate with oligosaccharines, phytohormones and humic acids derived from the microbial digestion of seaweeds, milk derivative and plant matter that provide:

Carbohydrates - [alginates] broken down into short chain oligosacchorides a key to plant energy, development and disease immunity
Proteins - broken down into amino acid plant building blocks
Polyphenols - broken down into humic acid links for plant nutrients
Phytohormones - Best described as Plant Growth Regulators [PGR's] Phytohormones are natural substances that biologically regulate physiological processes within plants to optimise growth and favourable health by both stimulating and inhibiting growth

There are 5 groups of Phytohormones

Name	Core Contributing Actions
Auxins	-Triggers new rooting and general cell development throughout the plant
Gibberellins	- Cell division and elongation – kick in when N levels in the plant begin to exhaust – this is a trigger to maintain normality during N shortages.
Cytokines	- Mobilise nutrients – lowering Cytokine leads to restricted mineral uptake. Cytokines regulates cell division in the presence of Auxins
Ethylene	- Interacts with all the Phytohormones to optimise their actions and to promote uniformity in cell shape and wall density – Ethylene is a gas
Abscisic Acid	- [ABA] offsets any over stimulation by the other Phytohormones. Acts to close Stomata in times of stress. Main player in the mediation of plant stress

SOILMAX
HUMIC AND FULVIC

SoilMax is a low pH, low molecular weight Humic/ Fulvic Acid solution, produced by the microbial digestion of Leonadite

Its Low pH value:

- Releases locked up trace elements
- Dissolves water insoluble calcium

Its Low Molecular Weight Value:

- Maximises its CEC influence in soils
- Maximises its mobility in the soil solution

Its complex constituents:

- Buffer pH variables to balance nutrient uptake
- Chelate minerals [anionic capture of metal cations]
- Transport nutrient ions to the roots
- Provide an energy food to microbial populations

Humic acids will be found in everything from decomposed or composted manures and/or animal-vegetable matter to ancient animal and vegetable deposits known as leonadite, a naturally acid pH material

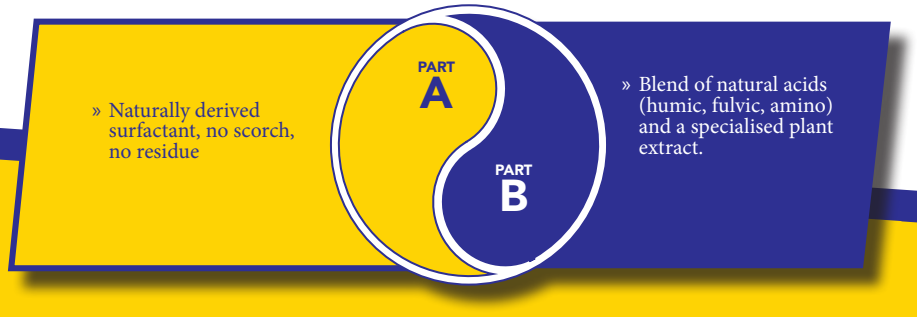
Microbial digestion of leonadite will ensure:

1) A lower inert carbon content
2) Retention of its low pH status [for optimum release of soil bound Phosphorus and trace Elements]
3) The lowest possible molecular weight [for optimum mobility and nutrient transfer in the soil solution].

In this form it is often called Fulvic Acid to identify it from its original less refined, more alkaline, higher molecular weight form

Warning – Man made humic or fulvic acids which make a claim of containing Potassium are alkaline [8-9pH] and therefore far less influential and the claimed humic/fulvic acid concentration will contain a high content of inert carbon

SOILMAX COMPONENTS



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