



FOR MORE INFORMATION ON FoliMAX, CONTACT YOUR LOCAL TERRITORY MANAGER OR CALL 1800 631 008.

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Liquid nutrition at its best

FoliMAX Kelp+ Seaweed Concentrate™

Kelp Enhanced Technology

Liquid nutrition at its best

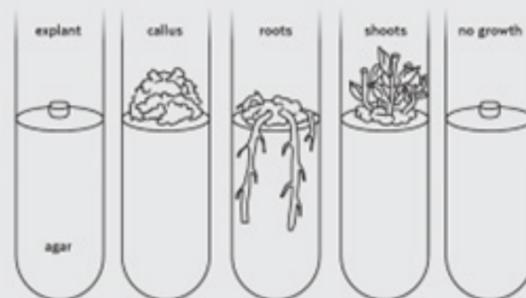
FoliMAX Kelp+ Seaweed Concentrate

FoliMAX Kelp+ is a concentrated liquid seaweed extract formulated from premium harvested kelp. FoliMAX Kelp+ assists in stimulation root development, and promoting overall plant health, particularly in times of stress. FoliMAX Kelp+ is ideal for use in general maintenance, during the establishment phase and for transplant shock in landscape plants.



Auxins vs Cytokinins

Kelp seaweeds contain a number naturally occurring biostimulants, primarily auxins and cytokinins. When applied to plants, auxins are transported down to the root tips causing them to grow. Cytokinins on the other hand are transported upwards from the root meristem to promote shoot growth. From a turfgrass maintenance point of view, it is the auxin effect that is most beneficial. It is important to note that the direct effect from an auxin product application does not come from the total amount of auxins within the product, but primarily from the ratio of auxins to cytokinins along with the amount of available free auxins (ie. free indole-3-acetic acid or IAA). Research has shown that a ratio of greater than 150 : 1 auxin to cytokinin is required to produce a root growth response in plants. As per the below diagram, a ratio of only 15 : 1 caused callus growth and a 1 :300 ratio (cytokinin dominated) caused shoot growth.



Auxin (mg/L): 3, 3, 3, 3, 0
 Cytokinin (mg/L): 0.2, 0.02, 900, 0.2, 0.2
 Auxin:Cytokinin: 15:1, 150:1, 1:500, 1:500, no auxin

Mohr, H. and Schofer, P., (1996). Chapter 25. Physiology of hormone action. In: Plant Physiology, Lawlor G., and Lawlor D. W. (transl. eds.), Springer-Verlag, Berlin - Heidelberg, Germany, 383-408.

There are both available and unavailable (conjugated) auxins. Plants store conjugated auxins in unavailable forms, that can be converted to available free IAA when there is a plant deficit. However this takes time and energy to hydrolyse the chemical bonds for the plant to then experience the auxin effect. Synthetic auxins added to many products and the majority of the total auxins within a product are in an unavailable form. Natural auxin in the form of available free IAA, and its concentration, are both critical factors to whether an application of a kelp product will trigger an auxin (root growth) response in turfgrass. Kelp+ contains a ratio of >150 : 1 of naturally occurring auxins to cytokinins which are inherently within the unique Kelp enhanced technology, along with a guaranteed level of 75 ug/L natural free IAA (indole-3-acetic acid). This results in a product that stimulates root development and increase overall plant health, particularly in times of stress when applied to turfgrass.



Key Benefits of FoliMAX Kelp+

- Kelp enhanced technology which stimulates root development and increase overall plant health, particularly in times of stress.
- Ideal auxin to cytokinin ratio (>150:1) to achieve a positive root response.
- Significantly assists in breaking down organic matter within turf and prevent thatch build up.
- Increase plant resistance to pest and disease.
- Packaged in Australia.

Why is a liquid Kelp and seaweed concentrate unique?

Liquid Kelp and Seaweed concentrate is a natural and organic extract from marine algae. This type of marine algae has several natural nutrients which makes it very suitable for improving plant health. These key nutrients that liquid kelp and seaweed concentrate includes is natural vitamins, minerals, trace elements which includes iodine, potassium and iron. Benefits nutrients which can initiate root development improve overall plant health and improve plant resistance to pests and diseases.



Mixing Procedure and Compatibility with FoliMAX Kelp +

Fill spray vessel with half the required volume of water. Shake container of FoliMAX Kelp+ and add required amount to spray tank while agitating. Add remaining water to the spray tank. Continue agitating during application. Wash out spray tank, including nozzles, immediately after use. This product may contain some large particles (up to 150 microns) suspended in solution, which may block fine nozzle sprayers.

Available pack sizes

FoliMAX Kelp+ is available in 20L, 200L and 1000L drums.

Flexibility in Application Rates with FoliMAX Kelp+

Shake well before use and apply as a spray application in sufficient water to achieve adequate plant coverage at the minimum dilution rates specified below.

APPLICATION RATE CHART		
Situation	Rate/Ha	Comments
Turf Foliar	10-40L/Ha 100-400mL/100m ²	Apply monthly in a minimum dilution rate of 1:400 parts water.
Turf Soil	10-40L/Ha 100-400mL/100m ²	Apply monthly in a minimum dilution rate of 1:200 parts water and irrigate following application with 3-6mm.
Turf Establishment	30-50L/Ha 300-500mL/100m ²	Apply in a minimum dilution rate of 1:200 parts water.
Transplant Shock in plants	10mL/L water	Drench the root zones of newly planted seedlings or large plants to reduce transplant shock.
Domestic Gardens (Lawns and Garden Beds)	25-50mL/10L	Sufficient to drench area of up to 5m ² . Water in well following application. Apply as necessary.
Horticulture (General Use)	25-50mL/100L	Apply around base of plants or tree and water in well following application. Apply as necessary.

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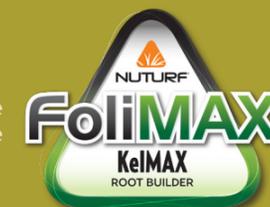
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OTHER KEY PRODUCTS IN THE FoliMAX RANGE

FoliMAX KelMAX

KelMAX is a premium quality natural seaweed concentrate developed specifically for the needs of professional turfgrass. KelMAX is derived from the freshly harvested South African seaweed *Ecklonia maxima*. The unique characteristics of this seaweed species and the proprietary method of hormone extraction, results in a biostimulant with the ideal auxin to cytokinin ratio to trigger the maximum root response when applied to turfgrass.



FoliMAX Humic +

Liquid Humic Acid (organic catalyst) which increases microbiological activity in the soil. Improves soil structure, fertility and water holding capacity. Ideal for use at renovation and turf establishment or as a maintenance tool on sand profiles.

