

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

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*Liquid nutrition at its best*

# FoliMAX CHARGER™

## Turf Growth Promoter

*Liquid nutrition at its best*

### FoliMAX CHARGER

FoliMAX Charger is specifically formulated to promote rapid lateral turfgrass growth as well as enhance colour. The unique blend of macro and minor nutrients and hormone growth promoters maximises the development potential of the turfgrass resulting in more rapid establishment, grow in, or recovery from damage or renovation. FoliMAX Charger also maintains growth and colour of warm season grasses during cooler months.



### FoliMAX CHARGER Guaranteed Minimum Analysis:

**Nitrogen (N) as Urea:** 4.6%

**Nitrogen (N) as Nitrate:** 2.6%

**Total Nitrogen (N):** 7.2%

**Total Potassium (as Nitrate):** 7.2%

**Total Iron (Fe) as Sulphate:** 3.8%

**Total Manganese (Mn) as Sulphate:** 2.2%

**Total Zinc (Zn) as Nitrate:** 0.22%

**Total Sulphur (S):** 3.6%

### Key Benefits of FoliMAX CHARGER

- Rapid recovery from incidences of plant stress, grow in or renovations.
- Improved colour of turfgrass in cooler periods of the year.
- Dual nitrogen source for fast and efficient uptake by the plant.
- High analysis iron and manganese in plant available form for rapid uptake.
- Rapid green up response for improved turf colour and appearance.
- Excellent tank mix flexibility.
- Flexibility in rates to accommodate differing nutritional and plant health response requirements.
- Long shelf life, stable and very soluble due to the unique formulation.
- Manufactured in Australia.

### Turf Growth Promoter

Nitrogen and potassium often interact and adequate levels of each are important for optimum plant health, especially when conditions that favour low K are present – such as leaching, low CEC sands, acid soils and soils where high sodium is present. Some of these factors on their own, when combined, or when other external stresses are imparted on the plant such as disease or renovations, can weaken it by depleting carbohydrates, reducing the root system or making tissues more succulent.

Turfgrasses require potassium in relatively large amounts, second only to nitrogen. Potassium is referred to as the turf 'toughener' and its main purpose is to improve stress tolerance within the plant. It is an ideal element to be used in conjunction with nitrogen, as while N produces cell growth, potassium strengthens the walls of the cell, hardening it to stresses such as disease and pest infestation.

As K reduces in the plant, the most common concern is adverse water relationships and drought stress as stomatal control becomes less efficient and transpiration increases as the stomata stay open. This results in higher water use, rapid onset of drought stress and wilt, greater high temperature stress and loss of cell turgor pressure. Stress on the plant imparted by traffic and wear is then increased. Recovery is slowed by reduced protein synthesis, low enzyme activity and reduced photosynthesis. FoliMAX Charger with its 1:1 ratio of N:K, along with other proprietary ingredients, has been formulated to assist turfgrass in periods of stress, and help regain and maintain health and vigour when needed the most.

### Iron and Manganese Deficiency Symptoms

Iron deficiency is characterised by an interveinal chlorosis of turfgrass leaves and an eventual thinning of the turf. The yellowing (chlorosis) seen on leaves with iron deficiency is due to low levels of chlorophyll. Leaf yellowing first appears on the younger upper leaves. Severe iron deficiencies cause leaves to turn completely yellow or almost white, and then brown as leaves die.

Interveinal chlorosis is also the main characteristic of manganese deficiencies. In very severe manganese cases, brown necrotic spots can appear on leaves. Manganese deficiencies mainly occur on organic soils, high pH soils, sandy soils low in organic matter and on over-limed soils. Soil manganese may be less available in dry well aerated soils, but can become more available under wet soil conditions when manganese is reduced to the plant available form.



### The Nitrogen Components in FoliMAX CHARGER

FoliMAX Charger contains 7% nitrogen in both urea and nitrate forms. In conjunction with water, the enzyme urease converts urea into ammonia and then onto ammonium (NH<sub>4</sub><sup>+</sup>) where it can be held on exchange sites for plant uptake. The hydrated ammonium ion however is quite small, so can be absorbed through the cuticle for rapid leaf assimilation and growth. The nitrate form is delivered by both zinc nitrate and potassium nitrate, one of the most available forms of N for turfgrass growth. Being a soluble form, the nitrates in FoliMAX Charger rapidly assimilate both zinc and potassium correcting any deficiencies and providing strong plant growth.

### Mixing Procedure with FoliMAX CHARGER

Fill spray vessel with half the required volume of water. Shake container of FoliMAX Charger 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.

### Flexibility in Application Rates with FoliMAX CHARGER

Apply as a spray application throughout the year on all turfgrass when fast greening and growth is required. Dilute with water, using the desired rate and apply in sufficient water to achieve adequate coverage. Use a water volume of 4 – 10L per 100m<sup>2</sup> (400 – 1000L/ha) depending on the application rate. Avoid mowing for 24 hours following an application.

#### APPLICATION RATE CHART

Situation	Rate/Ha	Comments
Promote turfgrass growth during turf establishment, grow-in, renovation, and turf recovery.	20-50L	Apply in a minimum of 400L of water per hectare. Repeat every 14 days where a high turfgrass growth rate is desired.
Maintain growth and colour of warm season turfgrass in cold conditions.		

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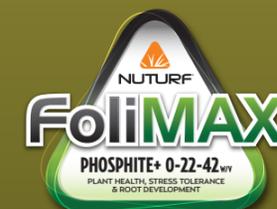
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### OTHER KEY PRODUCTS IN THE FoliMAX RANGE

#### FoliMAX Phosphite+

A highly concentrated Phosphorus, Potassium liquid fertiliser, containing mono- and di-potassium salts of phosphorus acid. This product offers a clear solution that is highly water soluble and rapidly plant available via either the foliage or root system.



#### FoliMAX Strength Si

A unique liquid fertiliser containing ideal ratios of silica, calcium and potassium. When applied as a foliar spray, these nutrients are known to work in synergy to strengthen the plant cells, enhancing stress resistance.

