



LIQUIMAXX GREENMAXX COMPLETE

17% Nitrogen, 6% Iron, 1% Magnesium + TE

New blend of GreenMaxx's stabilised nitrogen with the balance of the trace elements required for a complete premium surface. The nitrogen is stabilised using UMAXX Technology.

The efficient use of nitrogen is the most critical issue in all types of crops grown. This certainly is the case in Turfgrass where the use of Urea and Ammonium based fertilisers is used extensively. From the time these types of fertilisers are added to the ground a variety of chemical and environmental changes occur.

Urea, once applied, will undergo a hydrolysis (Breakdown) with the involvement of moisture and the urease enzyme. Urea is then broken down to ammonia and carbon dioxide. Both these gases will be released to the atmosphere in a process known as VOLATILISATION. This will account for up to 30% of the total nitrogen lost until the fertiliser reaches the soil profile. Up to 20 mm of rainfall or irrigation is required to completely place all Urea into profile. LIQUIMAXX GREENMAXX CompleTE contains an additive (NBPT), which suppresses the enzyme activity of urease, and allows up to 2 weeks for the fertiliser to be incorporated.

Once the urea and other ammonium based nitrogen sources reach the soil profile an immediate oxidation process occurs called NITRIFICATION. With the aid of bacteria the process of ammonium to nitrite the nitrate production is unstoppable. Once the nitrogen has a negative charge it can be easily leached, as it cannot hold onto soil colloids.

This leaching is another major loss of Nitrogen, particularly in turf management where profiles are sandy and watering is frequent.

The application of trace elements is essential for complete nutritional control when managing quality turf. The role of most trace elements in turfgrass is to form enzymes to initiate or control growth. They act like switches that stimulate and activate plant function.

Iron: Undoubtedly the most useful tool in maintaining Turfgrass colour without enhancing excessive growth is Iron. The application of Iron will force turf to produce Chlorophyll in excess thus giving the green up required. Essential for production other enzymes involved in Oxidation and Reduction reactions.

Magnesium: Vital to the completion of the greening effect. Magnesium will form the central structure of the chlorophyll cell.

Zinc: Required for the production of the hormone Auxin, which controls cell expansion and elongation and is vital in sustaining normal growth patterns.

Manganese: Like Iron, Manganese is involved in oxidation and reduction reactions and in the production of enzymes to control growth.

Copper: Involved the photosynthetic reaction and in the production of enzymes.

Boron: Vital for the Meristematic Cells where actual



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Boron: Vital for the Meristematic Cells where actual cell division occurs and in the transportation of sugars through turf.

Molybdenum: Required in the production of enzymes to assimilate Nitrogen into turf. Molybdenum converts nitrate nitrogen into ammonium nitrogen.

ANALYSIS:

ELEMENT		Present As	W/V%
NITROGEN	(N)	Stabilised Nitrogen	17.00
IRON	(Fe)	Sulphate	6.00
MAGNESIUM	(Mg)	Sulphate	1.00
ZINC	(Zn)	Sulphate	0.20
MANGANESE	(Mg)	Sulphate	0.20
COPPER	(Cu)	Sulphate	0.20
BORON	(B)	Sulphate	0.10
MOLYBDENUM	(Mo)	Sulphate	0.01

DIRECTIONS FOR USE:

APPLICATION	Rate
TEES & GREENS	0.2 - 0.5 L / 100 m ²
FAIRWAYS	20 - 50 L / Ha

APPLICATION NOTES:

APPLICATION	Rate
TEES & GREENS	4 - 10 L water / 100 m ²
FAIRWAYS	400 - 1000 L water / Ha

Apply early morning or late afternoon.

NOZZLE COLOUR:

OPTIMUM WATER RATE

400 (80 MESH)