



INNOVATIVE and AUSTRALIAN

MANNI-TURF TOTAL

Manni-Turf Based Turf Micronutrient Blend



Manni-Turf Total provides high content Iron, Manganese, Magnesium, and Zinc to fine turfgrass more efficiently than other nutrient systems.

MANNI-TURF TOTAL FEATURES

- Stimulates chlorophyll production
- Great colour without excessive top growth
- Smallest molecule delivering nutrients to plants
- Aids in natural fungal control
- Contains surfactants and humectants for better contact and adhesion
- Delivers nutrients directly to phloem and xylem
- Growth Forming Locations (GFLs) fed more efficiently

MANNITOL COMPLEXED PRODUCTS

Manni-Turf Total is based on the world patented Mannitol technology. Essential plant micronutrients are complexed in an organic sugar alcohol to create a highly efficient foliar trace element fertilizer. The small molecular size and delivery package containing humectants, spreading and penetrate agents further ensures that the complexed nutrients are phloem and xylem mobile.

DEFICIENCIES

Manni-Turf Total is a scientifically formulated trace element package specifically designed to provide essential trace elements required to provide optimum turfgrass growth and development. **Manni-Turf Total** should be used on a monthly basis to maintain trace element levels. **Manni-Turf Total** will help to overcome induced deficiency symptoms of manganese, zinc and iron due to excessive soil concentrations of phosphorus that “tie up” the availability of these nutrients.

MOBILITY IN PLANTS

Manni-Turf, the micronutrient delivery system, is a unique sugar alcohol formulation that provides smaller molecules for improved foliar delivery to stomatal openings and transcuticular pores. Smaller is definitely better. While other supposed foliar products have to be broken down inside the plant, wasting time and plant energy, the unique chemistry of Manni-Turf is taken up directly by the Phloem, the main artery of the plant that delivers nutrients to the GFLs (Growth Forming Locations). This uptake is accomplished faster and more effectively than any other nutrient carrier, complex or chelate. Manni-Turf products all contain specially formulated spreading and adhesion agents for enhanced foliar uptake.

ANALYSIS

Total Nitrogen (N) 4.00% Nitrate Nitrogen (N), Soluble Iron (Fe) 2.85%, Soluble Magnesium (Mg) 1.20%, Soluble Manganese (Mn) 0.45%, Soluble Zinc (Zn) 0.65%.

PACK SIZE

10 litre

For more information about MANNI-TURF TOTAL or other BARMAC products visit www.barmac.com.au or one of our distributors.
Barmac Industries Pty Ltd Swanbank Australia

MANNI-TURF TOTAL



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Manni-Turf Total. B0707 V1

FOLIAR APPLICATION

Apply 50-100mL per 100m² of turf (5-10 litres per hectare) in a convenient volume of water (not less than 400 litres per hectare).

Repeat applications throughout the growing season as a maintenance program. Increased application frequency may be needed to correct existing deficiencies.

SOIL APPLICATIONS

Apply 100-150mL per 100m² as a pre-plant application.

MIXING INSTRUCTIONS

Put 1/3 of water in tank

Add pesticides, other fertilizers and adjuvants. Do not mix with phosphate based fertilizers.

Fill tank with water and agitate.

Add required amount of Manni-Turf Total.

Agitate until mixed.

Always conduct a jar test to determine compatibility.

GENERAL RECOMMENDATIONS

For use in a balanced fertility program for all turf grasses requiring trace elements. This product may also be used with foliar applied pesticides