



INNOVATIVE and AUSTRALIAN

MANNI-TURF Fe

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Essential for Chlorophyll Formation



Iron is a key requirement in the formation of chlorophyll that affects the green pigment in plants. Iron is also associated with energy transfer, lignin formation and nitrogen reduction and fixation.

MANNI-TURF Fe FEATURES

- Eliminates Iron hidden hunger and improves turf colour.
- Improves photosynthesis and supply of carbohydrate to leaves and roots.
- Contains leaf penetrants and translocation aids
- High phloem mobility in comparison to conventional iron foliar sprays ensures rapid and efficient correction of deficiencies and improvement in turf growth and appearance.
- Low nitrogen content - will improve turf colour without stimulating excessive vegetative growth.

MANNITOL COMPLEX PRODUCTS

Manni-Turf Fe 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.

IRON DEFICIENCY

- Iron deficiency is very common in high pH soils and excess liming often triggers deficiency. Application of Manni-Plex Iron is an ideal way to correct iron deficiency on high pH soils. Common iron deficiency symptoms are inter-veinal yellowing of both young and old leaves.
- Severe deficiency will result in reduced growth and yellowing of new leaves.

IRON MOBILITY IN PLANTS

Iron has intermediate mobility in plants and as such deficiency symptoms appear on both young and old leaves. Manni-Turf sugar alcohol encapsulates the iron ion enabling it to move into the plant via the phloem, where sugars move more easily towards forming tissue. Once the **Manni-Turf Fe** reaches the target plant tissue the sugar bond breaks down and the iron flows to where it is needed.

ANALYSIS

6.0% (w/v) Iron, as Manni-Turf sugar alcohol complex.

PACK SIZE

20 litres



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 Fe.

Agitate until mixed.

Always conduct a jar test to determine compatibility.

GENERAL RECOMMENDATIONS

For use in a balanced fertility program for all turfgrasses requiring iron.