Nitro-Iron Advance™ TURF

Complexed iron formulation for the rapid correction of iron deficiencies and maintenance of growth in turfgrass.
Specifically developed for foliar applications to enhance turf appearance by maintaining a deep green colour.

7% Fe, 16% N, 1% Mn + Nitrification Inhibitors

Benefits of Nitro-Iron Advance™

- High analysis formulation of iron and nitrogen provides "bang for your buck"
- Highly available form of iron rapidly corrects iron deficiency
- Efficient application with a quick green-up response
- 100% soluble and stable due to unique formulation
- Can be applied by foliar spray or by fertigation for rapid uptake
- Added nitrification inhibitors for efficient nitrogen utilisation

THE ROLE OF IRON AND MANGANESE

Turfgrass needs iron to produce chlorophyll and both iron and manganese are required to activate several enzymes, particularly those involved in photosynthesis and respiration, and in the case of manganese, those associated with nitrate assimilation and chlorophyll production.

THE ROLE OF NITROGEN

Nitrogen is the major building block in protein and chlorophyll. It is also essential for lipid and cytoplasm formation. Highly mobile in the plant, it is translocated and utilised in the growing tips. Nitrogen is vital to turf growth but can be a limiting factor in uptake of other nutrients.

Nitrogen is often leached from the soil therefore regular application in low doses will ensure efficient uptake without excessive losses.

DEFICIENCY SYMPTOMS

IRON
The youngest leaves develop a light green chlorosis of tissue between the veins, while the veins remain green. In severe cases leaves will be yellow or white. As iron has poor mobility older leaves may remain green.

MANGANESE
Pale green blotches develop between main veins which remain dark green. The interveinal chlorotic areas become pale green or dull yellow. Reports show that turfgrass can become more susceptible to root diseases.

NOTE: The suggested rates of application are designed for typical Australian conditions and such should be used as a guide only. Each Turf Managers climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.

Product Characteristics

Specific Gravity: 1.30 ***Colour:*** Brown black liquid

Analysis	*Australia (w/v%)*	*International (w/w%)*
Nitrogen (N)	16.0	12.3
Iron (Fe)	7.0	5.4
Manganese (Mn)	1.0	0.8
Nitrification Inhibitors		

Directions for Use

Agitate contents well before dilution. Suitable for application by:

Foliar Spray | **Fertigation**

CROP	Rate/ha	MIN DILUTION	COMMENTS
GREENS	20L 200ml/100m²	1 : 20	Apply as required for fast, long lasting green-up
TEES, FAIRWAYS, SPORTSFIELDS	20 - 50 L 200 - 500 ml/100m²	1 : 20	Apply as required for fast, long lasting green-up

Minimum Dilution: A dilution of 1 : 100 means 1 part product : 100 parts water
In hot weather, use the higher dilution rate where applicable

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