

# Simplot *Signature* TRACES

## SPECIALLY FORMULATED LIQUID FERTILISER FOR TURF



**SIGNATURE TRACES** is a multi-trace element formulation containing Iron, Magnesium, Manganese, Copper, Boron and Molybdenum, specially designed for the requirements of premium quality turfgrass. The application of these trace elements is essential for complete nutritional control when managing quality turf.

### ANALYSIS

4.0% Iron, 2.0% Magnesium, 1.0% Zinc,  
1.0% Manganese, 1.0% Copper,  
0.5% Boron, 0.05% Molybdenum

### DIRECTIONS FOR USE

TURF: 200 - 500 mls/100 m<sup>2</sup> as required for health.

### WATER RATES:

Tees & Greens: 6 - 10 L /100 m<sup>2</sup>  
Fairways: 400 - 600 L /Ha  
Apply early morning or late afternoon.  
Store above 5°C

### COMPATIBILITY

Signature Traces is compatible with a wide variety of commonly used spray chemicals. When mixing with chemicals always mix a small quantity (jar test) to observe if any reaction occurs. If jar test is negative do not proceed with application.

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Available exclusively from your nearest Simplot distributor:

**SIMPLOT PARTNERS.** 20 DeHavilland Rd, Braeside, Vic 3195 (03) 9587 4993

**NRRBS.** 1/A Gateway Dr, Labrador, Qld 4215 (07) 5537 7323

**TURFCARE NSW.** Unit 8-24 Clyde St, Rydalmere, NSW 2116 (02) 9684 6611

**TOTAL TURF.** 2 Jessel Place, Duncraig, WA 6023 (08) 9448 5263

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## TRACES

4% Iron, 2% Magnesium, 1.0% Zinc, 1.0% Manganese,  
1.0% Copper, 0.5% Boron and 0.05% Molybdenum

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. Signature Traces is specially formulated for turfgrass to cater for its own requirements.

**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. Iron is also essential for production of other enzymes involved in Oxidation and Reduction reactions. While the colour effect of Iron applications is what is sought after, the physiological role and resulting turf health because of Iron is as equally important.

**Magnesium:** Magnesium is vital to the completion of the greening effect. Magnesium will form the central structure of the chlorophyll cell. Therefore without it, the green up effect cannot happen as readily.

**Zinc:** Zinc is required for the production of the hormone Auxin, which controls cell expansion and elongation and is vital in sustaining normal growth patterns. Zinc is also involved in photosynthesis.

**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:** Boron is vital for the Meristematic Cells (growing point) where actual cell division occurs. Boron is also vital in the transportation of sugars through turfgrass

**Molybdenum:** Molybdenum is required for production of enzymes to assimilate Nitrogen into turf. Molybdenum converts nitrate nitrogen into ammonium nitrogen. Therefore the production of amino acids and protein cannot occur without Molybdenum.

The issues in growing quality turfgrass are many and varied. The use of Signature Traces and other products in the " Simplot Signature Series" will aid in controlling the delivery of nutrients to the Turf.

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