

**WARNING**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**  
**KEEP OUT OF REACH OF CHILDREN**



# **Maximiser Elite (NZ)**

## **SOIL WETTING AGENT**

100% Proprietary blend of specialty non-ionic surfactants  
with Premium Penetrant & Retention Properties

### **For Application in Turf Situations**

Maximiser Elite is a premium soil wetting agent with penetrant and retention properties, specially designed and formulated for High Value Turf areas (*i.e. Golf & Bowling Greens, Premium Sports Fields*) and Broadacre Turf areas (*i.e. Golf Fairways, Sports Fields, Racetracks, Turf Farms, Reserves & Parks, Polo Fields, Cemeteries, Lawns, General Turf areas*).

Maximiser Elite has key ingredients that penetrate and retain the moisture in the soil profile and root-zone, enabling turf managers to reduce moisture stress and dry patch (localised dry spot) and hold moisture in the root-zone that usually drains and dries out quickly.

Approved pursuant to the HSNO Act 1996, Approval Code HSR002503  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT**

### **MAJOR FEATURES**

- IMPROVES WATER PENETRATION & RETENTION
- MAINTAINS TURF HEALTH & VIGOUR
- ALLEVIATES & PREVENTS DRY PATCH IN TURF
- PROVIDES LONG-LASTING PROTECTION FROM WATER REPELLENCY

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**DIRECTIONS FOR USE****Ground Application (i.e. boom spray, pedestrian application from tank)**

Situation	Application Rate	Critical Comments
<b>Turf Management:</b> <b>High Value areas</b> Golf Greens, Bowling Greens, Croquet Lawns, Tennis Courts, High Value Golf Fairways, Premium Sports Fields, Premium Racetracks, Turf Farms, Premium Maintained Lawns	10 L/ha * or 100 mL per 100m <sup>2</sup>	Apply in at least 400 - 2500 litres of water per hectare (4 - 25 litres of water per 100m <sup>2</sup> ). Follow normal irrigation schedule. Apply monthly or as required. * Monthly applications are recommended for best results. Maximiser Elite does not usually require watering in, however turf should be irrigated before next mowing.
<b>Turf Management:</b> <b>Broadacre areas</b> Golf Fairways, Sports Fields, Racetracks, Turf Farms, Reserves & Parks, Polo Fields, Cemeteries, Lawns, General Turf areas	5 – 10 L/ha * or 50 - 100 mL per 100m <sup>2</sup>	If applied in very dry conditions (above 28°C), irrigate immediately with 3 mm of rainfall equivalent. To ensure Maximiser Elite is not removed from the treated area prior to soil incorporation, irrigate the treated area before the next mowing with at least 4-6 mm of rainfall equivalent.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**GENERAL INSTRUCTIONS**

Maximiser Elite is a dual-action soil wetting agent that improves both the penetration, infiltration and retention of water (irrigation and rainfall) in the soil profile.

Soil science research has shown that organic coatings surrounding soil particles inhibit the infiltration of irrigation or rainfall. Hence during high heat stress or drought periods turfgrass can suffer drought injury or death due to the lack of plant available soil moisture.

Maximiser Elite reduces the surface tension of the water molecule, improving the penetration and infiltration of applied irrigation water and rainfall.

Maximiser Elite will

- give water quick and even penetration to ensure limited evaporation and runoff losses.
- ensure uniformed distribution, movement and availability of moisture/water in the root-zone.
- alleviate problems associated with water repellency and dry patch (localised dry spot) from hydrophobic soils in all turf areas.
- allow hydrophobic soils to be re-wet and prevent dry patch.
- give even retention of moisture in the soil profile depth/root-zone ensuring plant available moisture to promote uniform turf quality, root growth and root depth whilst improving nutrient availability and uptake.

Maximiser Elite is designed for use on all professionally managed turf areas, examples of such turf areas are listed in the DIRECTIONS FOR USE table. For optimum turf quality Maximiser Elite should be used in conjunction with turf management practices that promote good turf health.

## APPLICATION

### Ground Application

**Boom Sprayers:** Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use spray nozzles that produce a medium spray quality. To ensure accuracy, calibrate sprayer before use and calibrate frequently. Apply at a volume of >400 L of water per hectare. Good even coverage with the spray is essential for optimum results. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid overlapping of spray runs. Avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur. Shut off spray booms while starting, turning slowing and when stopped.

**Pedestrian Application from Tank:** Hand nozzle (i.e. fish mouth) should have a uniformed spray pattern. Applicators should calibrate their spraying process to ensure their walking speed, pump pressure and hand nozzle movement (i.e. sweeping action) is even and consistent with the water volumes and the product application rate required.

This product is to be used and applied according to the label directions by professionals (turf managers / greenkeepers) trained in the use of agricultural chemicals, using properly calibrated equipment.

### Timing

Apply Maximiser Elite at approximately monthly intervals, beginning at least 1 month prior to the start of the irrigation season (before the onset of dry or heat stress conditions).

A preventive program will alleviate problems associated with the development of dry patch (localised dry spot) and ensure plant available moisture in the soil profile, whilst maximising the use of the water resources, whether that be irrigation water or rainfall.

Application is monthly or as required. Trial work and experience shows more consistent results are achieved with regular applications (i.e. monthly applications). Hence the greater the frequency of application the greater the water use efficiency.

Note: In extreme cases of water repellency and dry patch (localised dry spot) from hydrophobic soils additional applications should be applied between monthly applications, as required.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, waterways or rivers with the chemical or the used containers.

## STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product.

## SAFETY DIRECTIONS

DO NOT get in eyes, on skin, or on clothing. Repeated exposure may cause skin dryness or cracking. Avoid breathing vapours or mists. Use personal protective equipment as directed; Wear overalls, rubber gloves, goggles or face shield. Refer to the Safety Data Sheet (SDS) before use.

## FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre (*Telephone: 0800 764 766 from anywhere in New Zealand*). If skin contact occurs remove contaminated clothing and wash skin thoroughly. Rinse skin or shower with water. IF IN EYES: hold eyes open, flood with water for at least 15 minutes. If eye irritation persists: seek medical attention. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

## SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: [www.turfculture.co.nz](http://www.turfculture.co.nz)

**CONDITIONS OF SALE**

The use of Maximiser Elite Soil Wetting Agent being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Turf Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 111 Police or Fire Brigade

Poisons Information Centre (Telephone: 0800 766 764 from anywhere in New Zealand)

**GHS Statements (WHS Regulation 2011)**

**GHS Signal word: WARNING**



**Eye Irritant**

**HAZARD STATEMENT**

**May be harmful if swallowed.**

**Causes serious eye irritation.**

**Repeated exposure may cause skin dryness or cracking.**

**Harmful to aquatic life with long lasting effects.**

**PREVENTION**

Keep out of reach of children.

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling.

Use personal protective equipment as required.

Avoid release to the environment.

**RESPONSE**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: seek medical attention.

Rinse skin or shower with water.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

Call a POISON CENTER or doctor/physician if you feel unwell.

Not combustible. Use extinguishing media suited to burning materials.