

## *Guardian<sup>®</sup> Root Repair*

### Natural stimulant for root repair and plant growth

**Guardian<sup>®</sup> Root Repair** is a powerful biostimulant containing natural polymer compounds and complex carbohydrates that stimulate a variety of physiological processes involved in root repair, plant growth and overall turf health. The combination of chelating properties and stimulation of the plants natural defence mechanisms promotes a strong healthy rooting system, enhanced frost resistance and aids recovery from nematode damage.

#### How does it work?

- **Guardian<sup>®</sup> Root Repair** kick starts the production of the phytoalexins that lead to lignin synthesis and promotion of ethylene formation for stronger cell walls and structure.
- Includes biopolymers that bind around areas of root damage creating a physical barrier and stimulating the plants natural regenerative processes.
- Acts as a chelating agent by holding nutrients and minerals in the soil thus increasing their availability.

#### Why use **Guardian<sup>®</sup> Root Repair**?

- Improves root and shoot growth
- Chelates nutrients and minerals
- Stimulates plant's natural defence mechanisms
- Protects and strengthens the living cell wall structure.
- Aids recovery from nematode damage
- Enhances the uptake of foliar applied nutrients

#### Where/when

- Suitable for use on all types of sports and amenity turfgrass
- Can be used throughout the growing period

#### Application Rates & Timings

**Pack Size: 10L/500L**

Apply as a root drench.

**For root repair:** Apply @ 15 l/ha. In case of high root damage, repeat after 2-4 weeks.

**As general tonic:** Apply @ 15 l/ha. Repeat every 2-4 weeks or as required.

**For freeze protection:** Apply @ 10 – 15 l/ha. Repeat every 1-2 weeks during the month prior to frost.

**Dilution:** Recommended for application at water rates of 400–600 l/ha (40-60ml/m<sup>2</sup>).

**Method:** Always use a fully calibrated sprayer at the recommended dosage.

**YOUR LOCAL DISTRIBUTOR**

*This product is physically compatible with a wide range of tank-mix partners. Check compatibility prior to adding to the spray tank. Consult your local advisor or Soil Harmony for specific recommendations. Efficacy may be effected by plant health, growth stage and weather conditions. Soil Harmony accepts no liability for damage to treated turf.*

**Ilex EnviroSciences Ltd**  
North Hangar Wickenby Airfield Lincoln LN3 5AX  
Tel: 01673 885175 Fax: 01673 885163  
sales@soilharmony.co.uk

Soil Harmony is a registered trade mark of Ilex EnviroSciences Ltd

**[www.ilex-envirosciences.com](http://www.ilex-envirosciences.com)**

ref: SHA Grr 15014 (ii)