

Turf Hardener is designed to strengthen turf and increase the grass plant's ability to withstand stress. It may be applied alone or in tank-mixtures with other products. The unique formulation facilitates rapid uptake of the calcium into the grass plant, producing a harder, more disease resistant sward.

Turf Hardener is specifically formulated to successfully tank mix with other elemental turf hardeners, such as **Bullet Chelated Iron and Bullet Phosphite**. When combined, these plant nutrients can work synergistically within the plant, to create natural non-pesticidal disease suppression, as part of an Integrated Turf Management approach.

## Why choose Turf Hardener?

- Uniquely chelated with natural acid technology that is not present in other
  products on the market, making Maxwell Turf Hardener highly bioavailable to the
  plant with increased calcium movement through the xylem and into the cell walls.
- 2. Balanced nitrogen level in Maxwell Turf Hardener has been carefully constructed to allow plant tissues to be optimally activated, just enough to absorb the calcium, but not to excess. Thereby not stimulating excessive, weak vegetative growth more susceptible to turf diseases such as Microdochium nivale.
- **3. Competing products** often use calcium carbonate (lime), which potentially leads to a higher pH, outside the optimal range for turf grass.
- 4. Foliar application allows calcium to be absorbed efficiently and reach the growing points rapidly. Preventing negative interactions in the soil where calcium can inhibit the absorption of borron, magnesium and phosphorus, and lead to the vaporization of nitrogen.
- Formulated with three complimentary plant elements to facilitate maximum uptake efficiency and grass plant function in a natural way.

- Magnesium prevents an imbalance in calcium-magnesium ratio.
- Zinc maximises auxin synthesis, the essential hormone for calcium uptake into actively growing plant cells.
- Boron corrects deficiencies; in a similar manner to calcium, boron is immobile in the phloem, so both calcium and boron deficiencies are most commonly found under stressful conditions when xylem flow has been restricted.
- Significantly less hazardous to human health than competing products (see associated safety data sheets for further information).

## **Application**

Turf Hardener can be applied all year round.

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Rate: 20-40I/ha Volume: 300-400I/ha

## **Product analysis**

Ingredient		Oxide value	Elemental value					
Total nitrogen (N)			7.04%					
Nitrate (N)			6.50%					
Ammonium (N)			0.54%					
Magnesium (MgO)	1.02%		0.615% Mg					
Calcium (CaO)	15.00%		10.72% Ca					
Zinc (Zn)			0.25% Zn					
Boron (B)			0.40% B					
Specific gravity		1.268						
На		4.8						



TURF HARDENER 15% CALCIUM 10L

Danger

Causes serious eye damage.

Do not breathe mist/vapours/spray.

Wear eye protection / face protection.

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: Get medical advice/attention.

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Store in accordance with local/regional/national/international regulations.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Product contains: CALCIUM NITRATE hydrate, Calcium diformate, Zinc ammonium citrate

UFI CODE: C910-F0YY-R00J-ARUJ



Refer to the associated safety data sheet for guidance on safe transport, storage, use and disposal of this product.



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