Super Potassium Silicate

Bio-Stimulants

PRESTIGE® Super Turf Solutions

KNOW YOUR PRESTIGE©

This specialist silica and potash fertiliser is designed to make your grass stand up straight.

1. Application should be 10Ltr per Ha in the water volume of 500Ltr water.
2. For tournament preparation, apply 2 to 4 days before start date for maximum results.
3. NOT suitable for tank mixing.
4. Only apply to a dry leaf and when rainfall is not imminent.
5. Does not need to be irrigated in after application.
6. Apply when grass is actively growing in Spring or Summer.
7. Repeat treatment every 2 weeks as required through growing season.

FOR MORE TECHNICAL ADVICE AND TO ORDER:

Your local Area Technical Sales representative

Our Sales Office on 01328 700600

Visit www.collier-turf-care.co.uk

Potassium Silicate

Potassium Silicate formulated to make your grass stand up straight
6% Silica (Si) + 15% Soluble Potash (k_2O)

Function:

Interest in the use of silicon as a plant growth supplement has increased recently within the turfgrass industry.This is fuelled by emerging evidence that regular applications of silicon enhance grass growth and development,particularly during periods of stress or unfavourable growing conditions.

Silicon is one of the most abundant minerals found in soils. In fact only oxygen is more common. However, much of the silicon found in soils is present in insoluble forms like silicon dioxide, or iron and aluminium silicates that are not available for plant uptake. Siliconis most readily absorbed by plants as orthosilic acid, which is soluble in the soil solution and forms after weathering of silicon based minerals or the addition of silicon fertilisers like potassium silicate.

Beneficial effects of silicon fertilization have been studied extensively in grasses and include improved cell wall strength and leaf erectness, increased tolerance of environmental stress, and decreased susceptibility of plants to pests and diseases

Silicon is transported from the roots to the shoots in the xylem along with the transpiration stream, with silicon being deposited in the leaf epidermal cells, xylem vessels, cell walls, and cuticle following evaporation of transpiration water. The accumulation of silicon in epidermal cells and cell walls results in the development of more erect leaf blades and a thicker, stronger cuticle layer which limits non-stomatal transpiration and water loss.

Application Details:

	Potassium Silicate	Water	Volume Area
Fine turf	10 litres	Min 500 litres	1 Ha

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Potassium Silicate

Key Benefits:

- Reduced water loss during periods of dry weather.
- Increased ball roll and green speed.
- Improves uniform cutting and appearance of turf, especially in stadia situations.
- Silicon helps lift the leaf blade to allow a cleaner cut with dwarf perennial rye species.
- Can be used as part of an integrated programme to help prevent leaf spot by hardening of the cell walls.
- Assists in removal on Annual Meadow-grass seed heads.
- During seeding, an application of silicon lifts the seed head allowing better collection by regular mowing or verti-cutting.
- In grasses, silicon appears in intracellular bodies such as silica cells of the epidermis of leaf surfaces, located along the midrib of the blades.
- Silicon in plants helps strengthen cell wall tissues and is found in epidermal cells.
- Allows better cutting of uneven spring growth.
- A unique tried and tested product specifically formulated for turf.

The product may be used at any time of the year providing the turf surface is dry and rainfall is not imminent. May be applied every 2 weeks throughout the season. For tournament preparation, apply 2 to 4 days before start date for maximum results. No watering in required.

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