



# SYMBIO SILICON

## Benefits

- ✓ **Strengthens cell walls for stronger roots and shoots**
- ✓ **Lifts grass blade for a cleaner cut**
- ✓ **Assists removal of *Poa annua* seed heads**
- ✓ **Foliar potassium source is immediately available to the plant**
- ✓ **Increases ball roll and green speed**
- ✓ **Reduces water loss and drought stress in dry weather**
- ✓ **Stronger cell walls reduce plant wear and stress**

Silicon is an essential plant nutrient but very little of the silicon in sports rootzones is actually available to the plant. **SYMBIO SILICON** contains potassium silicate, providing 24% W/V plant-available silicon as  $\text{SiO}_2$  and 12% W/V potassium as  $\text{K}_2\text{O}$  to ensure the plant can maintain optimum silicon levels.

**STRONG UPRIGHT GROWTH** Grass plant cells need silicon to strengthen the cell walls which results in a denser sub cuticle layer which gives rise to straighter more erect leaf blades and stronger roots. The effect on turf grass is that *Poa annua* seed heads are easier to cut and the grass stands firm, reducing friction and increasing ball speeds.

**REDUCE PLANT STRESS** The thicker cuticle reduces transpiration water loss and wilting during times of high temperature, reducing the requirement for irrigation. The thicker sub cuticle layer also makes it harder for fungal and insect pathogens to damage the plant making a cost effective addition to your IPM program.

Ask your Symbio Technical Sales Manager for further information.

Symbio Silicon also enhances the efficiency of wetting agents.

### Hazard

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

### Precaution

Avoid breathing mist/spray. Wear protective gloves/eye protection.

**IF ON SKIN:** Wash with plenty of soap and water.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER or doctor if you feel unwell.

If skin irritation occurs: Get medical advice.



**PACK SIZE: 5L**

## APPLICATION AND TIMING

### For golf and bowling greens

**To aid removal of *Poa annua* seed heads** Apply 5 litres per hectare mixed in 400-600 litres of water.

**To strengthen grass, promote even growth and reduce wear and tear** Apply 2.5 litres per hectare every 3-4 weeks throughout the growing season.

**For pre-tournament preparation and increasing ball speed** Apply 5 litres per hectare 4 -5 days before the tournament. Mix with 300 – 400l of water per hectare. Apply as a foliar spray so mix with 300 – 400l of water per hectare

**For use tank mixing: Symbio Silicon** may be mixed with most Symbio liquids and compost teas. Pre-dilute 5l of Silicon with at least 20l of water and **only** add to the spray tank when almost full. *We recommend a bucket test before adding to the spray tankst full..* **DO NOT MIX WITH ANY NITROGENOUS FERTILISERS** i.e. urea and Ammonium sulphate, or any substances with any Nutritional content as the solution will turn to a gel

**As part of an IPM Program:** Apply at a rate of 500mls – 5litres per hectare depending upon the other elements of your program.