



SILICON

Produce faster greens and stronger swards. Improve wear and stress resistance.

BENEFITS

- Strengthens cell walls for stronger roots and shoots
- Lifts grass blade for a cleaner cut, assisting in 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 SiO₂ and 12% W/V potassium as K₂O to ensure the plant can maintain optimum silicon levels.

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.

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.

Symbio Silicon also enhances the efficiency of wetting agents.

pH: 10.6

SG: 1.36

Application guide: *For best results consult your Symbio representative.

J	F	M	A	M	J	J	A	S	O	N	D

N	P	K	MgO	Fe
0	0	14	0	0

5L/ ha

300 – 600L Water

**PACK
SIZE:
5L**

CONTACT US TODAY:



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Technical Information

How to apply:

For golf and bowling greens

To aid removal of Poa annua seed heads

Apply 5L/ha mixed in 400-600 litres of water

To strengthen grass, promote even growth and reduce wear and tear

Apply 2.5L/ha every 3-4 weeks throughout the growing season

For pre-tournament preparation and increasing ball speed

Apply 5L/ha 4 -5 days before the tournament. Mix with 300 – 400L of water per hectare

Tank-mixing

Symbio Liquid 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.

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

Always test mixes before adding to spray tank – complete a bucket test



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