

reinFORCE

To deter pathogens and strengthen turfgrass.

Reinforce is a specifically formulated blend of Silica and Potassium to provide a strong hard wearing turf grass blade.

ANALYSIS

20% Silica(SiO₂)

8.3% Potassium as (KSI)

Silicon is one of the most abundant minerals found in soils. In fact only oxygen is only more common. However, much of the silicon found in soils is present in insoluble forms like silicon dioxide, or iron and aluminum silicates that are not available for plant uptake.

Despite the abundance of Silicon in Soil, high rainfall and low CEC can lead to plant deficiencies in turfgrass.

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. Silicon is also documented as reducing fungal attack by increasing cell wall thickness reducing the ability of fungal Hyphae to penetrate cells. It has also been noted that Silicon applications stimulate the plant's own defense mechanisms to deter pathogen attack.

Silicon in turfgrass accumulates in epidermal cells and cell walls resulting in the development of more erect leaf blades and a thicker, stronger cuticle layer which limits non-stomatal transpiration and water loss. By strengthening the cuticle layer prior to the onset of drought, transpiration can be slowed down increasing drought tolerance.

USING REINFORCE EFFICIENTLY:

- Apply to turfgrass foliage only
- Apply to increase green speed
- Apply to deter pathogens (preventatively)
- Apply prior to dry periods to reduce transpiration and reduce drought stress
- Apply as part of an integrated pest management program
- Do not tank mix as Reinforce has a high pH and chemical reactions may occur

COMPATIBILITY WARNING

Reinforce is difficult to tank mix due to its very Alkaline pH. Chemical reactions may take place and mixing should be trialled and carried out with care.

PACK SIZE

Available in 20 L containers. Special Order 200L & 1000L shuttles available on request

SITUATION (APPLY AS FOLIAR ONLY)	FOLIAR RATE
Golf Greens and other fine Turf	30 - 50mL / 100sqm
Sportsfields / Race tracks	3 - 5L / Ha
Bowling Greens	420mL - 700mL / Green
Establishing turf seed stolons or sod	3L / Ha

eFlow

The eFlow brand represents the highest quality liquid fertilisers developed specifically for the Australian Turf Market.



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eFlow TANK MIXING

	Stimulus	Special FeX	Kope	Essential	Kelpro	Re-inforce
Stimulus		Light Blue	Dark Blue	Light Blue	Light Blue	Dark Blue
Special FeX	Light Blue		Dark Blue	Light Blue	Light Blue	Dark Blue
Kope	Dark Blue	Dark Blue		Dark Blue	Dark Blue	Dark Blue
Essential	Light Blue	Light Blue	Dark Blue		Light Blue	Dark Blue
Kelpro	Light Blue	Light Blue	Dark Blue	Light Blue		Dark Blue
Re-inforce	Dark Blue	Dark Blue	Dark Blue	Dark Blue	Dark Blue	

- These products are compatible in tank mixes in multiple combinations.
- Foaming may occur in tank mixes containing Kope if sufficient water is not added to tank prior to addition of Kope. When tank mix includes Kope add this product to tank first as foaming may occur.
- Re-inforce does not tank mix with other products in the eFlow range. Sediment will form in the tank and cause nozzle blockages

	Rate (L) / ha	pH
Stimulus	20	1.7
Special FeX	40	1.8
Kope	50	11.34
Essential	20	5.50
Kelpro	10	7.83
Re-inforce	5	11.6

These products were tank mixed at rates equivalent to those that would be used when applied in a water volume of 400L