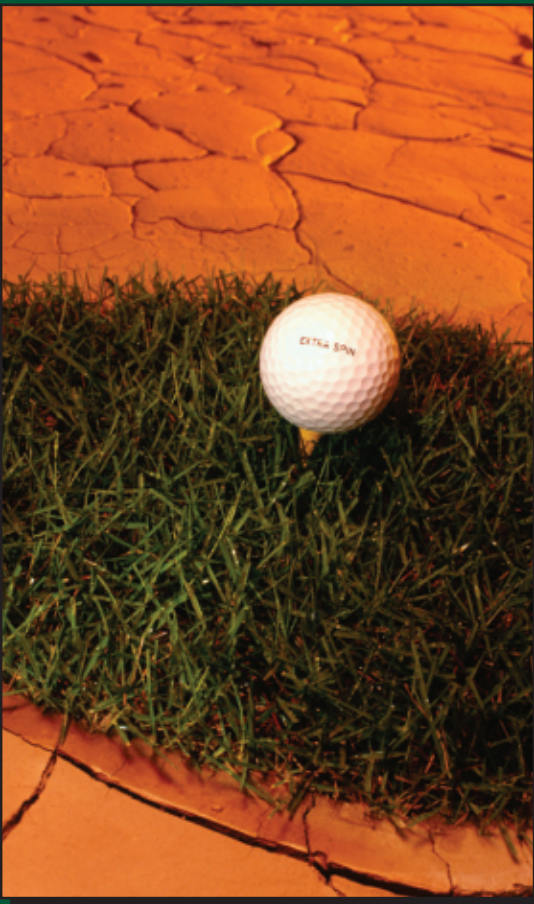


# Simplot Socal

## SODIUM DISPLACEMENT FERTILISER

Socal is a highly concentrated Calcium & Nitrogen fertilizer for the treatment & removal of sodium accumulated in soil profile. Socal is completely soluble for quick & effective management of quality turfgrass.



### ANALYSIS (W/W%)

Nitrogen (N)	5.00
Calcium (Ca)	12.0

### FOR USE ON TURF, LAWNS & GRASSES

Suited to sodium affected areas and areas experiencing irrigation run off and poor drainage

### DIRECTIONS FOR USE: TURF

Apply 1 - 2 L per 100m<sup>2</sup>  
Apply 100 - 200 L per hectare

### IMPORTANT

ALWAYS follow by immediate irrigation to ensure good soil penetration and eliminate any chance of leaf burn. It is preferable to spray in the cool of day. DO NOT apply to Bentgrass if temperature exceeds 26°C. If soil profile is dry or the turf is under heat or drought stress, the turf should be irrigated prior to, and then after the SOCAL application

### COMPATIBILITY

DO NOT mix any chemicals or fertilisers with SOCAL.

Available exclusively from your nearest Simplot distributor:

**SIMPLOT PARTNERS.** 20 DeHavilland Rd, Braeside, Vic 3195 (03) 9587 4993

**NRRBS.** 26 Demand Ave, Arundle, Qld 4214 (07) 557 1611

**TURFCARE NSW.** Unit 8-24 Clyde St, Rydalmere, NSW 2116 (02) 9684 6611

**TOTAL TURF.** 2 Jessel Place, Duncraig, WA 6023 (08) 9448 5263

Simplot

# TECHNICAL DOCUMENT

# Simplot Social

## SODIUM DISPLACEMENT FERTILISER

The accumulation of Sodium in the soil profile has a pronounced effect on the management of quality turfgrass. Sodium causes compaction, poor soil structure, and lack of growth and poor water filtration. The increased use of effluent on Golf Courses now means sodium will be delivered to soil profile on a continuous basis. As a result the management of Sodium and its negative effects will need to be effective and ongoing.

### THE DISPLACEMENT OF SODIUM.

The effective use of cation exchange is the best way in managing Sodium accumulation. As we know the principal of CEC is the exchanging of one cation for another that has a higher preference or charge. As Sodium is a single charged Cation it can be removed by a double or divalent Cation. The most effective is Calcium.

Sodium is attracted to the negatively charged sites of soil colloids where the accumulation occurs. As these levels rise, uptake of other cations such as Magnesium and Calcium will be reduced. Sodium at high concentrations itself is toxic to turfgrass. High concentrations of soluble Calcium must flood the exchange sites which forces the sodium away and then is removed via irrigation or rain fall.

### CHOOSING THE RIGHT CALCIUM.

The choice of the correct Calcium is the most important aspect of making Sodium removal effective. The main criteria is solubility. For calcium to exchange with sodium it must be in solution. Simplot Social is 100% soluble for quicker results. As effluent water contains sodium, consistent use of Social via fertigation or surface applied can offer effective control. Social is 100% soluble with added nitrogen to effectively remove Sodium and promote growth at the same time

Simplot Social is cost effective, non hazardous and is a powerful tool for any turfgrass manager to combat the problem of salinity. Backed up by years of experience and technical advice, Simplot is providing the necessary solutions to the problems facing the turfgrass industry.

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