

Sodium Knockout



Excess salt will draw water out of plant cells, causing wilting, scorching and reduced plant health. Sodium Knockout adds calcium to the soil which binds with the sodium and neutralizes its effect.

Sodium Knockout can help restore the balance of calcium/sodium in the soil to improve soil structure and plant health. Can be used to improve irrigation water where bicarbonate levels are high.



- Salt build up in soils is caused by a combination of factors: many inorganic fertilisers contain high salts, most pesticides are salt-based and rainwater can have high salt levels.
- A 100% soluble calcium that will immediately react with sodium to remove its negative effect on the plant and soil.
- By reducing salts in the soil, Sodium Knockout can reduce the amount of water locked up in a soil, reduce dry spots and improve water and nutrient availability to the plant.
- Roots are less likely to move into soil that is high in salt. Sodium Knockout will remove salts and improve rooting.

Analysis	Pack Size	Rate	Water Volume
5.0.0	10 litre	10-20 ltr/ha	600 ltrs/ha

Usage Period												
Product	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Sodium Knockout	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Sodium Knockout



- All the benefits of soil improvement achieved with gypsum, but with an easy to apply and immediate effect. Safer to use than chloride or sulphate-based products.
- Apply at a high water volume (600l/ha) with a coarse spray so the product is targeted at the soil.
- Can be tank-mixed with other soil-targeted products such as wetting agents and biostimulants.
- Range of application rates from 10-20l/ha dependent upon current levels of sodium within the rootzone.
- Reduce requirement of nutrition by releasing cation exchange sites held by Na⁺ ions.
- Ingredients include Yucca wetting agent to aid penetration into the soil.



- **Although Sodium Knockout has mixed successfully with many products, always carry out a jar test to test compatibility with other products.**

Issue	Suggested Tank Mix (per ha)
Rootzone with high levels of salt, prone to dry patch and poor response from fertilisers.	Apply Sodium Knockout at 20l/ha every 2-4 weeks until correct sodium levels have been reached. Add in low salt fertilisers to the programme such as 18.3.6 and 30.0.0 and build good organic matter using Sustane and Essential.
Salt accumulation from inorganic fertilisers, pesticides etc.	Reduce use of inorganic fertilisers using Growth Products Foliars and Sustane. Apply 20l/ha Sodium Knockout and re-test sodium levels. Re-apply if necessary.
High bicarbonates in irrigation water.	Apply 10-20l/ha Sodium Knockout monthly when high levels of irrigation water are used. Keep check on salt levels in soil and adjust rates/frequency accordingly.

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